# Joss Network Whitepaper: Web3 blockchain gaming network

June 28, 2024

Disclaimer: This whitepaper does not constitute an offer or solicitation to buy or sell any coins. Joss Network publishes this document solely for educational and informational purposes. We make no guarantees about the accuracy or completeness of any information presented herein. Nothing in this whitepaper should be interpreted as a promise or guarantee regarding the Joss Network ecosystem, blockchain protocol development, or the utility or value of related coins, including JOSS. The vision outlined in this document reflects the author's perspective and may not necessarily apply to the Joss Network ecosystem. Statements about future events are based solely on the individual analysis of Joss Network Developers and may be incorrect. Any changes or developments in the Joss Network blockchain protocol must receive approval from validators.

#### Introduction

The history of blockchain began with the introduction of Bitcoin in 2008, created by Satoshi Nakamoto using a pseudonym. Bitcoin's blockchain technology enabled decentralized, transparent, and secure digital currency transactions without intermediaries. Following Bitcoin's success, blockchain technology expanded beyond cryptocurrencies, inspiring the development of ecosystems like Ethereum in 2015, which introduced smart contracts-self-executing contracts with the terms directly written into code. This innovation opened up numerous applications across various industries, from finance to supply chain management. The growth of blockchain has been marked by increasing adoption, regulatory developments, and continuous technological advancements, positioning it as a transformative force in the digital economy.

Blockchain - the path to economic freedom. Blockchain has the potential to enhance economic freedom by providing an open global network that enables borderless transactions, ensures property rights through secure digital asset storage and smart contracts, provides unbiased access to digital services regardless of personal attributes, and facilitates mobility by enabling easy cross-border digital asset transfers. This decentralized and inclusive system empowers individuals to participate in the global economy without relying on traditional institutions or government control. However, despite its potential, blockchain has yet to fulfill its

promise as a vessel for economic freedom, often serving as a playground for speculators and extractive tourists. Many projects have been funded without fully considering distribution strategies and competitive advantages, resulting in a lack of practical application and widespread adoption.

### **Joss Network Strategy**

Joss Network takes a distinctly different approach, focusing on web3 mechanics, leveraging coins for user acquisition, and fostering robust community building. Joss Network prioritizes the creation of an active and engaged user base from the outset. It is developed to meet the needs of a game and its community. This focused approach allows for the refinement of the Joss Network ecosystem and proves its viability before expanding outward.

Joss Network is designed to bridge the gap between cutting-edge technology and user engagement, with a mission to engage billions of users. It provides a user-friendly and scalable network that not only supports gaming applications but also fosters a thriving ecosystem of users and developers. Joss Network focuses on strategic community building and user acquisition, ensuring that it is not just another blockchain but a dynamic and ever-evolving foundation for the future of web3 applications.

Joss Network aims to establish itself as a leading force in the web3 gaming ecosystem. With impressive metrics highlighting broad adoption and a strong community to dominate the market, Joss Network seeks to capture market share among web3 gamers, reinforcing its position as the go-to blockchain for gaming applications.

With this vision, the network effect of Joss Network and its initial distribution power kick-starts the flywheel as follows:

 Advanced Technology: Joss Network adopts advanced technology to build a decentralized, secure, and scalable infrastructure capable of accommodating billions of web3 users.

- Economically and Incentive-Driven: Joss Network envisions directly linking
  economic activities occurring at the application layer with the Protocol. This
  starts by building a synergistic relationship between the Protocol and dApps
  where leading dApps contribute a percentage of their fees for the growth and
  maintenance of the entire ecosystem and receive goodwill and strong
  support from the Joss Network community in return.
- Dynamic and Innovative Ecosystem: In its ecosystem, Joss Network understands the importance of setting community-building standards, and games and dApps on Joss Network are designed to enhance community participation and trust.

#### Joss Blockchain

Joss Blockchain is a project that disrupts the gaming industry by offering a cryptocurrency that allows gamers to easily earn while playing. The project combines cutting-edge technology and innovative approaches, leveraging best practices in the crypto industry to create a gaming cryptocurrency that provides gamers with an exceptional crypto gaming experience. Joss Coin, the native currency of Joss Blockchain, is a customized version of Dash tailored to meet the needs of contemporary gamers. Some key features of Joss Blockchain and Joss Coin include:

• Dash Fork: Joss is a unique cryptocurrency project that combines various elements from established blockchain platforms to create a resilient and versatile digital currency. The project is based on a fork of Dash, providing a solid foundation for its functionality. One of Joss's standout features is the implementation of SmartNodes, a technology inspired by Dash's Masternodes. SmartNodes play a crucial role in the Joss network, offering services such as instant transactions and private send functionality while actively participating in the consensus mechanism to secure the blockchain. This enhances the overall speed and security of Joss transactions while incentivizing network participants to hold and operate SmartNodes, thus contributing to the project's stability and decentralization.

Allium Algorithm: Joss integrates assets and utilizes the Allium mining algorithm. This integration brings a new dimension to Joss by allowing users to create and manage digital assets on its blockchain. The Allium mining algorithm, known for its efficiency and security, ensures the integrity of the Joss network and provides a fair and accessible method for users to earn Joss coins through mining. By incorporating features from Dash, Joss aims to offer a resilient and multifaceted cryptocurrency platform that can serve various use cases within the crypto ecosystem, from fast and secure transactions to asset creation and management.

## **Allium Algorithm**

The Allium Algorithm (Allium Proof-of-Work) is a significant milestone in the world of cryptocurrency mining. Allium is designed to bring better fairness and efficiency to the mining process. It combines several other hashing algorithms, with Lyra2 as its main component (similar to Lyra2RE). This includes BLAKE-256, SHA-3/Keccak, Lyra2 using an 8x8 grid, CubeHash-256, Lyra2 iteration, Skein-256, and finally Grøstl-256. As a result, Allium promotes a more decentralized and community-driven mining ecosystem, encouraging inclusivity and reducing the likelihood of mining centralization, a common issue in many proof-of-work networks. Overall, the Allium algorithm represents a step forward in the pursuit of fairness and accessibility in the cryptocurrency mining space, aligning with the principles of decentralization and democratization underlying many blockchain projects.

#### **SmartNode**

Joss SmartNodes serve as the backbone of the Joss blockchain network, playing a crucial role in ensuring its functionality and security. Inspired by Dash Masternodes, Joss SmartNodes are a fundamental component of the network's consensus mechanism. These SmartNodes perform various essential tasks, including facilitating instant transactions, maintaining high network security, and enabling features like PrivateSend, which enhances user privacy within the Joss ecosystem.

One of the standout features of Joss SmartNodes is their commitment to network security. To operate a SmartNode, users are required to lock a substantial amount of 168,000 Joss coins as collateral. This significant collateral not only ensures the operator's commitment to the network but also helps prevent malicious actors from compromising the system. In return for their services, SmartNode operators receive rewards in the form of Joss coins, creating a strong incentive for participants to maintain and secure the network. This innovative approach not only contributes to the overall stability and decentralization of the Joss blockchain but also ensures that the network remains efficient and resilient, making it a vital component of the Joss ecosystem.

## **Security and Privacy**

Security and privacy are paramount in the Joss ecosystem, supported by the robust utilization of the Dash codebase and the Allium mining algorithm. Joss inherits the tested and proven security features and codebase from Dash, a cryptocurrency known for its resilience against attacks and vulnerabilities. This ensures a solid foundation for safeguarding users' funds and transactions, backed by the Joss development team's dedication to regular security audits and updates.

Moreover, the implementation of the Allium mining algorithm enhances the overall security of the Joss network. Known for its efficiency and resistance to ASIC dominance, Allium creates a more decentralized network and is resilient to potential attacks. This aligns with Joss's vision of security and decentralization, offering users a robust and secure environment for transactions, asset creation, and engagement in a decentralized peer-to-peer web3 gaming blockchain network.

## Usability

Usability is at the forefront of the Joss ecosystem, incorporating innovative features to create a versatile and engaging platform for users. As a coin that bridges the network for gaming, Joss redefines the concept of gaming by enabling users to earn cryptocurrency while enjoying their favorite games. This seamless integration of gaming and cryptocurrency usage enhances the platform's usability, making it an attractive choice for gamers and crypto enthusiasts.

Joss SmartNodes enhance usability by ensuring fast and secure transactions. These nodes play a critical role in the network infrastructure, providing quick and reliable transaction processing for users, essential for a smooth user experience.

The combination of PoW (Proof-of-Work) and the Allium mining algorithm ensures usability by allowing users to mine Joss coins using readily available GPU hardware. This inclusivity makes Joss mining accessible to a broader audience, further enhancing the platform's usability.

In summary, Joss's usability is part of the payment system and network of an inclusive Web3 blockchain gaming ecosystem model, SmartNodes mechanisms, GPU-friendly PoW mining, and versatile asset functionality. These features collectively create a user-centric and intuitive ecosystem, making Joss a comprehensive and appealing cryptocurrency platform.

## Utility

Joss Blockchain is intended to facilitate both on-chain and off-chain utility. Some of the primary functions of Joss Coin include:

- Enthusiastic crypto fans: Those who wish to engage in the governance and security of the Joss network can do so by running a SmartNode, requiring a commitment of 168,000 Joss Coins as collateral, ensuring network integrity and decentralization.
- Flexibility: Joss Coin extends to being exchangeable with other cryptocurrencies, allowing holders to diversify their crypto portfolios and participate in broader crypto trading activities.
- Mature ecosystem: As Joss Blockchain matures and evolves, the utility of Joss Coin is expected to further expand, with prospects for direct use in traditional financial markets, highlighting its potential as a valuable and versatile digital asset.

#### **Economic Model**

Joss's tokenomics are carefully designed to ensure a balanced and sustainable ecosystem. From the total reward distribution, 45% is allocated to miners, promoting a secure and decentralized network through PoW mining. Another 40% is dedicated to SmartNodes, enhancing transaction processing speed and network reliability while incentivizing node operators.

#### **Tokenomics of JOSS**



# **SmartNode Collaterals**

Block	Node Collateral
7,200 - 88,720	168,000 \$JOSS
88,721 ~ 132,720	224,000 \$JOSS
132,721 ~ 176,720	280,000 \$JOSS
176,721 ~ 220,720	364,000 \$JOSS
220,721 ~ 264720	448,000 \$JOSS
264,721 ~ INT_MAX	550,000 \$JOSS

# **Reward Emission Schedule**

Lunar Month	Start Height	End Height	Block Reward	Monthly Reward	Circulating Supply
Premine	0	1	2,100,000	2,100,000	2,100,000
Day 1	2	720	120	86,280	2,186,280
1	721	21,600	1,400	29,232,000	31,418,280
2	21,601	43,200	1,353.33	27,399,072.58	58,817,352.58
3	43,201	64,800	1,308.22	26,544,804.21	85,362,156.79
4	64,801	86,400	1,264.61	25,715,072.94	111,077,229.73
5	86,401	108,000	1,222.46	24,909,505.09	135,986,734.82
6	108,001	129,600	1,181.71	24,127,315.77	160,114,050.59
7	129,601	151,200	1,142.32	23,368,074.70	183,482,125.29
8	151,201	172,800	1,104.24	22,631,133.78	206,113,259.07
9	172,801	194,400	1,067.44	21,916,208.41	228,029,467.48
10	194,401	216,000	1,031.86	21,222,409.08	249,251,876.56
11	216,001	237,600	997.46	20,549,212.09	269,801,088.65
12	237,601	259,200	964.21	19,896,270.87	289,697,359.52
13	259,201	280,800	932.07	19,263,025.45	308,960,384.97
14	280,801	302,400	901	18,648,898.00	327,609,282.97
15	302,401	324,000	870.97	18,053,492.29	345,662,775.26

16	324,001	345,600	841.94	17,476,199.10	363,138,974.36
17	345,601	367,200	813.87	16,916,393.75	380,055,368.11
18	367,201	388,800	786.74	16,373,837.43	396,429,205.54
19	388,801	410,400	760.52	15,848,080.81	412,277,286.35
20	410,401	432,000	735.17	15,338,461.90	427,615,748.25
21	432,001	453,600	710.66	14,844,507.70	442,460,255.95
22	453,601	475,200	686.97	14,365,937.25	456,826,193.20
23	475,201	496,800	664.07	13,902,258.97	470,728,452.17
24	496,801	518,400	641.94	13,453,175.10	484,181,627.27
25	518,401	540,000	620.54	13,017,973.57	497,199,600.84
26	540,001	561,600	599.86	12,596,544.12	509,796,144.96
27	561,601	583,200	579.86	12,188,158.52	521,984,303.48
28	583,201	604,800	560.53	11,792,693.59	533,776,997.07
29	604,801	626,400	541.85	11,409,816.73	545,186,813.80
30	626,401	648,000	523.79	11,038,984.25	556,225,798.05
31	648,001	669,600	506.33	10,679,851.60	566,905,649.65
32	669,601	691,200	489.45	10,332,069.25	577,237,718.90
33	691,201	712,800	473.13	9,995,282.87	587,233,001.77
34	712,801	734,400	457.36	9,669,340.47	596,902,342.24
35	734,401	756,000	442.12	9,353,879.79	606,256,222.03
36	756,001	777,600	427.38	9,048,326.96	615,304,548.99
37	777,601	799,200	413.13	8,752,518.47	624,057,067.46
38	799,201	820,800	399.36	8,466,288.23	632,523,355.69
39	820,801	842,400	386.05	8,189,259.35	640,712,615.04
40	842,401	864,000	373.18	7,921,051.51	648,633,666.55
41	864,001	885,600	360.74	7,661,489.91	656,295,156.46
42	885,601	907,200	348.72	7,410,397.64	663,705,554.10
43	907,201	928,800	337.09	7,167,177.24	670,872,731.34
44	928,801	950,400	325.86	6,932,065.40	677,804,796.74
45	950,401	972,000	315	6,704,460.00	684,509,256.74
46	972,001	993,600	304.5	6,484,175.25	690,993,431.99
47	993,601	1,015,200	294.35	6,271,023.73	697,264,455.72
48	1,015,201	1,036,800	284.53	6,064,606.15	703,329,061.87
49	1,036,801	1,058,400	275.05	5,865,152.45	709,194,214.32
50	1,058,401	1,080,000	265.88	5,672,049.95	714,866,264.27
51	1,080,001	1,101,600	257.02	5,485,315.70	720,351,579.97

52	1,101,601	1,123,200	248.45	5,304,544.15	725,656,124.12
53	1,123,201	1,144,800	240.17	5,129,750.20	730,785,874.32
54	1,144,801	1,166,400	232.16	4,960,525.57	735,746,399.89
55	1,166,401	1,188,000	224.43	4,797,094.75	740,543,494.64
56	1,188,001	1,209,600	216.94	4,638,624.10	745,182,118.74
57	1,209,601	1,231,200	209.71	4,485,548.01	749,667,666.75
58	1,231,201	1,252,800	202.72	4,337,453.88	754,005,120.63
59	1,252,801	1,274,400	195.97	4,194,351.79	758,199,472.42
60	1,274,401	1,296,000	189.43	4,055,614.85	762,255,087.27
61	1,296,001	1,317,600	183.12	3,921,675.95	766,176,763.22
62	1,317,601	1,339,200	177.01	3,791,906.45	769,968,669.67
63	1,339,201	1,360,800	171.11	3,666,526.26	773,635,195.93
64	1,360,801	1,382,400	165.41	3,545,330.12	777,180,526.05
65	1,382,401	1,404,000	159.9	3,428,112.09	780,608,638.14
66	1,404,001	1,425,600	154.57	3,314,665.55	783,923,303.69
67	1,425,601	1,447,200	149.41	3,204,783.24	787,128,086.93
68	1,447,201	1,468,800	144.43	3,098,683.55	790,226,770.48
69	1,468,801	1,490,400	139.62	2,996,158.64	793,222,929.12
70	1,490,401	1,512,000	134.97	2,897,000.13	796,119,929.25
71	1,512,001	1,533,600	130.47	2,800,999.11	798,920,928.36
72	1,533,601	1,555,200	126.12	2,708,159.63	801,629,087.99
73	1,555,201	1,576,800	121.91	2,618,272.04	804,247,360.03
74	1,576,801	1,598,400	117.85	2,531,553.53	806,778,913.56
75	1,598,401	1,620,000	113.92	2,447,580.31	809,226,493.87
76	1,620,001	1,641,600	110.12	2,366,355.47	811,592,849.34
77	1,641,601	1,663,200	106.45	2,287,881.95	813,880,731.29
78	1,663,201	1,684,800	102.91	2,212,162.62	816,092,893.91
79	1,684,801	1,706,400	99.48	2,138,772.25	818,231,666.16
80	1,706,401	1,728,000	96.16	2,067,713.09	820,299,379.25
81	1,728,001	1,749,600	92.95	1,998,987.35	822,298,366.60
82	1,749,601	1,771,200	89.86	1,932,811.32	824,231,177.92
83	1,771,201	1,792,800	86.86	1,868,544.48	826,099,722.40
84	1,792,801	1,814,400	83.96	1,806,402.76	827,906,125.16
85	1,814,401	1,836,000	81.17	1,746,602.26	829,652,727.42
86	1,836,001	1,857,600	78.46	1,688,501.57	831,341,228.99
87	1,857,601	1,879,200	75.85	1,632,530.93	832,973,759.92

88	1,879,201	1,000,800	73.32	1 578 262 86	824 552 022 78
		1,900,800		1,578,262.86	834,552,022.78
89	1,900,801	1,922,400	70.87	1,525,698.57	836,077,721.35
90	1,922,401	1,944,000	68.51	1,475,053.87	837,552,775.22
91	1,944,001	1,965,600	66.23	1,426,115.36	838,978,890.58
92	1,965,601	1,987,200	64.02	1,378,669.42	840,357,560.00
93	1,987,201	2,008,800	61.89	1,332,931.74	841,690,491.74
94	2,008,801	2,030,400	59.82	1,288,473.75	842,978,965.49
95	2,030,401	2,052,000	57.83	1,245,725.86	844,224,691.35
96	2,052,001	2,073,600	55.9	1,204,259.29	845,428,950.64
97	2,073,601	2,095,200	54.04	1,164,289.64	846,593,240.28
98	2,095,201	2,116,800	52.24	1,125,602.74	847,718,843.02
99	2,116,801	2,138,400	50.5	1,088,199.25	848,807,042.27
100	2,138,401	2,160,000	48.81	1,051,864.77	849,858,907.04
101	2,160,001	2,181,600	47.18	1,016,814.87	850,875,721.91
102	2,181,601	2,203,200	45.61	983,050.12	851,858,772.03
103	2,203,201	2,224,800	44.09	950,355.98	852,809,128.01
104	2,224,801	2,246,400	42.62	918,732.92	853,727,860.93
105	2,246,401	2,268,000	41.2	888,181.36	854,616,042.29
106	2,268,001	2,289,600	39.83	858,701.74	855,474,744.03
107	2,289,601	2,311,200	38.5	830,079.25	856,304,823.28
108	2,311,201	2,332,800	37.22	802,529.45	857,107,352.73
109	2,332,801	2,354,400	35.98	775,837.46	857,883,190.19
110	2,354,401	2,376,000	34.78	750,003.57	858,633,193.76
111	2,376,001	2,397,600	33.62	725,028.08	859,358,221.84
112	2,397,601	2,419,200	32.5	700,911.25	860,059,133.09
113	2,419,201	2,440,800	31.41	677,438.00	860,736,571.09
114	2,440,801	2,462,400	30.37	655,039.29	861,391,610.38
115	2,462,401	2,484,000	29.35	633,069.23	862,024,679.61
116	2,484,001	2,505,600	28.38	612,174.20	862,636,853.81
117	2,505,601	2,527,200	27.43	591,708.17	863,228,561.98
118	2,527,201	2,548,800	26.52	572,102.17	863,800,664.15
119	2,548,801	2,570,400	25.63	552,925.47	864,353,589.62
120	2,570,401	2,592,000	24.78	534,609.17	864,888,198.79
121	2,592,001	2,613,600	23.95	516,722.45	865,404,921.24
122	2,613,601	2,635,200	23.15	499,480.93	865,904,402.17
123	2,635,201	2,656,800	22.38	482,884.76	866,387,286.93
					, , , , , , , , , , , , , , , , , , , ,

124	2,656,801	2,678,400	21.64	466,934.07	866,854,221.00
125	2,678,401	2,700,000	20.91	451,197.86	867,305,418.86
126	2,700,001	2,721,600	20.22	436,322.93	867,741,741.79
127	2,721,601	2,743,200	19.54	421,662.65	868,163,404.44
128	2,743,201	2,743,200	18.89	407,648.28	
129	200		18.26		868,571,052.72
130	2,764,801	2,786,400	17.65	394,064.31 380,910.83	868,965,117.03 869,346,027.86
WANGER AND A STREET	2,786,401	2,808,000			
131	2,808,001	2,829,600	17.06	368,187.90	869,714,215.76
132	2,829,601	2,851,200	16.5	356,111.25	870,070,327.01
133	2,851,201	2,872,800	15.95	344,249.65	870,414,576.66
134	2,872,801	2,894,400	15.41	332,603.12	870,747,179.78
135	2,894,401	2,916,000	14.9	321,603.09	871,068,782.87
136	2,916,001	2,937,600	14.4	310,818.24	871,379,601.11
137	2,937,601	2,959,200	13.92	300,464.31	871,680,065.42
138	2,959,201	2,980,800	13.46	290,541.37	871,970,606.79
139	2,980,801	3,002,400	13.01	280,833.73	872,251,440.52
140	3,002,401	3,024,000	12.58	271,557.16	872,522,997.68
141	3,024,001	3,045,600	12.16	262,495.97	872,785,493.65
142	3,045,601	3,067,200	11.75	253,650.19	873,039,143.84
143	3,067,201	3,088,800	11.36	245,235.59	873,284,379.43
144	3,088,801	3,110,400	10.98	237,036.46	873,521,415.89
145	3,110,401	3,132,000	10.62	229,268.60	873,750,684.49
146	3,132,001	3,153,600	10.26	221,500.47	873,972,184.96
147	3,153,601	3,175,200	9.92	214,163.67	874,186,348.63
148	3,175,201	3,196,800	9.59	207,042.44	874,393,391.07
149	3,196,801	3,218,400	9.27	200,136.80	874,593,527.87
150	3,218,401	3,240,000	8.96	193,446.76	874,786,974.63
151	3,240,001	3,261,600	8.66	186,972.34	874,973,946.97
152	3,261,601	3,283,200	8.37	180,713.57	875,154,660.54
153	3,283,201	3,304,800	8.09	174,670.46	875,329,331.00
154	3,304,801	3,326,400	7.82	168,843.03	875,498,174.03
155	3,326,401	3,348,000	7.56	163,231.29	875,661,405.32
156	3,348,001	3,369,600	7.31	157,835.25	875,819,240.57
157	3,369,601	3,391,200	7.07	152,654.95	875,971,895.52
158	3,391,201	3,412,800	6.83	147,474.52	876,119,370.04
159	3,412,801	3,434,400	6.6	142,509.84	876,261,879.88

160   3,434,401   3,456,000   6.38   137,760.92   876,399,640.80     161						
162         3,477,601         3,499,200         5.97         128,910.39         876,661,778.95           163         3,499,201         3,520,800         5.77         124,592.94         876,786,371.89           164         3,520,801         3,542,400         5.57         120,275,41         876,906,647.30           165         3,542,401         3,564,000         5.39         116,389,56         877,023,036.86           166         3,564,001         3,585,600         5.21         112,503.65         877,135,540.51           167         3,585,601         3,607,200         5.04         108,833.56         877,244,374.07           168         3,607,201         3,628,800         4.87         105,163.41         877,349,537.48           169         3,628,801         3,650,400         4.71         101,709.11         877,451,246.59           170         3,650,401         3,672,000         4.55         98,254.75         877,549,501.34           171         3,672,001         3,693,600         4.4         95,016.24         877,445,574.58           172         3,693,601         3,715,200         4.25         91,777.69         877,362,952.7           173         3,715,201         3,788,400         3.97	160	3,434,401	3,456,000	6.38	137,760.92	876,399,640.80
163         3,499,201         3,520,800         5.77         124,592,94         876,786,371.89           164         3,520,801         3,542,400         5.57         120,275.41         876,906,647.30           165         3,542,401         3,564,000         5.39         116,389.56         877,023,036.86           166         3,564,001         3,585,600         5.21         112,503.65         877,135,540.51           167         3,585,601         3,607,200         5.04         108,833.56         877,244,374.07           168         3,607,201         3,628,800         4.87         105,163.41         877,349,537.48           169         3,628,801         3,650,400         4.71         101,709.11         877,349,537.48           170         3,650,401         3,672,000         4.55         98,254.75         877,549,501.34           171         3,672,001         3,693,600         4.4         95,016.24         877,644,517.58           172         3,693,601         3,715,200         4.25         91,777.69         877,36,295.27           173         3,715,201         3,736,800         4.11         88,755.00         877,825,050.27           174         3,736,801         3,780,000         3.84	161	3,456,001	3,477,600	6.17	133,227.76	876,532,868.56
164         3,520,801         3,542,400         5.57         120,275.41         876,906,647.30           165         3,542,401         3,564,000         5.39         116,389.56         877,023,036.86           166         3,564,001         3,585,600         5.21         112,503.65         877,135,540.51           167         3,585,601         3,607,200         5.04         108,833.56         877,244,374.07           168         3,607,201         3,628,800         4.87         105,163.41         877,349,537.48           169         3,628,801         3,650,400         4.71         101,709.11         877,451,246.59           170         3,650,401         3,672,000         4.55         98,254.75         877,549,501.34           171         3,672,001         3,693,600         4.4         95,016.24         877,644,517.58           172         3,693,601         3,715,200         4.25         91,777.69         877,736,295.27           173         3,715,201         3,736,800         4.11         88,755.00         877,825,050.27           174         3,736,801         3,780,000         3.84         82,925.41         877,993,707.95           176         3,780,001         3,801,600         3.71	162	3,477,601	3,499,200	5.97	128,910.39	876,661,778.95
165         3,542,401         3,564,000         5.39         116,389.56         877,023,036.86           166         3,564,001         3,585,600         5.21         112,503.65         877,135,540.51           167         3,585,601         3,607,200         5.04         108,833.56         877,244,374.07           168         3,607,201         3,628,800         4.87         105,163.41         877,349,537.48           169         3,628,801         3,650,400         4.71         101,709.11         877,451,246.59           170         3,650,401         3,672,000         4.55         98,254.75         877,549,501.34           171         3,672,001         3,693,600         4.4         95,016.24         877,644,517.58           172         3,693,601         3,715,200         4.25         91,777.69         877,362,952.27           173         3,715,201         3,736,800         4.11         88,755.00         877,825,050.27           174         3,736,801         3,758,400         3.97         85,732.27         877,910,782.54           175         3,758,401         3,780,000         3.84         82,925.41         877,993,707.95           176         3,780,001         3,801,600         3.71         <	163	3,499,201	3,520,800	5.77	124,592.94	876,786,371.89
166         3,564,001         3,585,600         5.21         112,503.65         877,135,540.51           167         3,585,601         3,607,200         5.04         108,833.56         877,244,374.07           168         3,607,201         3,628,800         4.87         105,163.41         877,349,537.48           169         3,628,801         3,650,400         4.71         101,709.11         877,451,246.59           170         3,650,401         3,672,000         4.55         98,254.75         877,549,501.34           171         3,672,001         3,693,600         4.4         95,016.24         877,644,517.58           172         3,693,601         3,715,200         4.25         91,777.69         877,736,295.27           173         3,715,201         3,736,800         4.11         88,755.00         877,825,050.27           174         3,736,801         3,758,400         3.97         85,732.27         877,910,782.54           175         3,758,401         3,780,000         3.84         82,925.41         877,993,707.95           176         3,780,001         3,801,600         3.71         80,118.53         878,151,354.00           178         3,823,201         3,844,800         3.47 <t< td=""><td>164</td><td>3,520,801</td><td>3,542,400</td><td>5.57</td><td>120,275.41</td><td>876,906,647.30</td></t<>	164	3,520,801	3,542,400	5.57	120,275.41	876,906,647.30
167         3,585,601         3,607,200         5.04         108,833.56         877,244,374.07           168         3,607,201         3,628,800         4.87         105,163.41         877,349,537.48           169         3,628,801         3,650,400         4.71         101,709.11         877,451,246.59           170         3,650,401         3,672,000         4.55         98,254.75         877,549,501.34           171         3,672,001         3,693,600         4.4         95,016.24         877,644,517.58           172         3,693,601         3,715,200         4.25         91,777.69         877,736,295.27           173         3,715,201         3,736,800         4.11         88,755.00         877,825,050.27           174         3,736,801         3,758,400         3.97         85,732.27         877,910,782.54           175         3,758,401         3,780,000         3.84         82,925.41         877,993,707.95           176         3,780,001         3,801,600         3.71         80,118.53         878,151,354.00           178         3,823,201         3,844,800         3.47         74,936.49         878,226,290.49           179         3,844,801         3,804,600         3.24 <td< td=""><td>165</td><td>3,542,401</td><td>3,564,000</td><td>5.39</td><td>116,389.56</td><td>877,023,036.86</td></td<>	165	3,542,401	3,564,000	5.39	116,389.56	877,023,036.86
168         3,607,201         3,628,800         4.87         105,163.41         877,349,537.48           169         3,628,801         3,650,400         4.71         101,709.11         877,451,246.59           170         3,650,401         3,672,000         4.55         98,254.75         877,549,501.34           171         3,672,001         3,693,600         4.4         95,016.24         877,649,551.34           172         3,693,601         3,715,200         4.25         91,777.69         877,736,295.27           173         3,715,201         3,736,800         4.11         88,755.00         877,825,050.27           174         3,736,801         3,758,400         3.97         85,732.27         877,910,782.54           175         3,758,401         3,780,000         3.84         82,925.41         877,993,707.95           176         3,780,001         3,801,600         3.71         80,118.53         878,073,826.48           177         3,801,601         3,823,200         3.59         77,527.52         878,151,354.00           178         3,823,201         3,844,800         3.47         74,936.49         878,226,290.49           179         3,844,801         3,866,400         3.24	166	3,564,001	3,585,600	5.21	112,503.65	877,135,540.51
169         3,628,801         3,650,400         4.71         101,709.11         877,451,246.59           170         3,650,401         3,672,000         4.55         98,254.75         877,549,501.34           171         3,672,001         3,693,600         4.4         95,016.24         877,644,517.58           172         3,693,601         3,715,200         4.25         91,777.69         877,736,295.27           173         3,715,201         3,736,800         4.11         88,755.00         877,825,050.27           174         3,736,801         3,758,400         3.97         85,732.27         877,910,782.54           175         3,758,401         3,780,000         3.84         82,925.41         877,993,707.95           176         3,780,001         3,801,600         3.71         80,118.53         878,073,826.48           177         3,801,601         3,823,200         3.59         77,527.52         878,151,354.00           178         3,823,201         3,844,800         3.47         74,936.49         878,226,290.49           179         3,844,801         3,866,400         3.35         72,345.43         878,298,635.92           180         3,866,401         3,931,200         3.03         6	167	3,585,601	3,607,200	5.04	108,833.56	877,244,374.07
170         3,650,401         3,672,000         4.55         98,254.75         877,549,501.34           171         3,672,001         3,693,600         4.4         95,016.24         877,644,517.58           172         3,693,601         3,715,200         4.25         91,777.69         877,736,295.27           173         3,715,201         3,736,800         4.11         88,755.00         877,825,050.27           174         3,736,801         3,758,400         3.97         85,732.27         877,910,782.54           175         3,758,401         3,780,000         3.84         82,925.41         877,993,707.95           176         3,780,001         3,801,600         3.71         80,118.53         878,073,826.48           177         3,801,601         3,823,200         3.59         77,527.52         878,151,354.00           178         3,823,201         3,844,800         3.47         74,936.49         878,226,290.49           179         3,844,801         3,866,400         3.35         72,345.43         878,298,635.92           180         3,866,401         3,888,000         3.24         69,970.26         878,368,606.18           181         3,888,001         3,999,600         3.13         67	168	3,607,201	3,628,800	4.87	105,163.41	877,349,537.48
171         3,672,001         3,693,600         4.4         95,016.24         877,644,517.58           172         3,693,601         3,715,200         4.25         91,777.69         877,736,295.27           173         3,715,201         3,736,800         4.11         88,755.00         877,825,050.27           174         3,736,801         3,758,400         3.97         85,732.27         877,910,782.54           175         3,758,401         3,780,000         3.84         82,925.41         877,993,707.95           176         3,780,001         3,801,600         3.71         80,118.53         878,073,826.48           177         3,801,601         3,823,200         3.59         77,527.52         878,151,354.00           178         3,823,201         3,844,800         3.47         74,936.49         878,226,290.49           179         3,844,801         3,866,400         3.35         72,345.43         878,298,635.92           180         3,866,401         3,888,000         3.24         69,970.26         878,366,606.18           181         3,888,001         3,909,600         3.13         67,595.07         878,436,201.25           182         3,909,601         3,931,200         3.03         65	169	3,628,801	3,650,400	4.71	101,709.11	877,451,246.59
172         3,693,601         3,715,200         4.25         91,777.69         877,736,295.27           173         3,715,201         3,736,800         4.11         88,755.00         877,825,050.27           174         3,736,801         3,758,400         3.97         85,732.27         877,910,782.54           175         3,758,401         3,780,000         3.84         82,925.41         877,993,707.95           176         3,780,001         3,801,600         3.71         80,118.53         878,073,826.48           177         3,801,601         3,823,200         3.59         77,527.52         878,151,354.00           178         3,823,201         3,844,800         3.47         74,936.49         878,226,290.49           179         3,844,801         3,866,400         3.35         72,345.43         878,298,635.92           180         3,866,401         3,888,000         3.24         69,970.26         878,368,606.18           181         3,888,001         3,909,600         3.13         67,595.07         878,436,201.25           182         3,909,601         3,931,200         3.03         65,435.79         878,564,913.53           184         3,952,801         3,974,400         2.83         6	170	3,650,401	3,672,000	4.55	98,254.75	877,549,501.34
173         3,715,201         3,736,800         4.11         88,755.00         877,825,050.27           174         3,736,801         3,758,400         3.97         85,732.27         877,910,782.54           175         3,758,401         3,780,000         3.84         82,925.41         877,993,707.95           176         3,780,001         3,801,600         3.71         80,118.53         878,073,826.48           177         3,801,601         3,823,200         3.59         77,527.52         878,151,354.00           178         3,823,201         3,844,800         3.47         74,936.49         878,226,290.49           179         3,844,801         3,866,400         3.35         72,345.43         878,298,635.92           180         3,868,001         3,899,600         3.13         67,595.07         878,436,201.25           182         3,909,601         3,931,200         3.03         65,435.79         878,501,637.04           183         3,931,201         3,952,800         2.93         63,276.49         878,564,913.53           184         3,952,801         3,974,400         2.83         61,117.16         878,685,204.44           186         3,974,401         3,996,000         2.74         5	171	3,672,001	3,693,600	4.4	95,016.24	877,644,517.58
174         3,736,801         3,758,400         3.97         85,732.27         877,910,782.54           175         3,758,401         3,780,000         3.84         82,925.41         877,993,707.95           176         3,780,001         3,801,600         3.71         80,118.53         878,073,826.48           177         3,801,601         3,823,200         3.59         77,527.52         878,151,354.00           178         3,823,201         3,844,800         3.47         74,936.49         878,226,290.49           179         3,844,801         3,866,400         3.35         72,345.43         878,298,635.92           180         3,866,401         3,888,000         3.24         69,970.26         878,368,606.18           181         3,888,001         3,909,600         3.13         67,595.07         878,436,201.25           182         3,909,601         3,931,200         3.03         65,435.79         878,501,637.04           183         3,952,801         3,974,400         2.83         61,117.16         878,626,030.69           185         3,974,401         3,996,000         2.74         59,173.75         878,685,204.44           186         3,996,001         4,017,600         2.64         5	172	3,693,601	3,715,200	4.25	91,777.69	877,736,295.27
175         3,758,401         3,780,000         3.84         82,925.41         877,993,707.95           176         3,780,001         3,801,600         3.71         80,118.53         878,073,826.48           177         3,801,601         3,823,200         3.59         77,527.52         878,151,354.00           178         3,823,201         3,844,800         3.47         74,936.49         878,226,290.49           179         3,844,801         3,866,400         3.35         72,345.43         878,298,635.92           180         3,866,401         3,888,000         3.24         69,970.26         878,368,606.18           181         3,888,001         3,909,600         3.13         67,595.07         878,436,201.25           182         3,909,601         3,931,200         3.03         65,435.79         878,501,637.04           183         3,952,801         3,974,400         2.83         61,117.16         878,626,030.69           184         3,952,801         3,974,400         2.83         61,117.16         878,685,204.44           186         3,974,401         3,996,000         2.74         59,173.75         878,685,204.44           186         3,996,001         4,017,600         2.64         5	173	3,715,201	3,736,800	4.11	88,755.00	877,825,050.27
176         3,780,001         3,801,600         3.71         80,118.53         878,073,826.48           177         3,801,601         3,823,200         3.59         77,527.52         878,151,354.00           178         3,823,201         3,844,800         3.47         74,936.49         878,226,290.49           179         3,844,801         3,866,400         3.35         72,345.43         878,298,635.92           180         3,866,401         3,888,000         3.24         69,970.26         878,368,606.18           181         3,888,001         3,909,600         3.13         67,595.07         878,436,201.25           182         3,909,601         3,931,200         3.03         65,435.79         878,501,637.04           183         3,931,201         3,952,800         2.93         63,276.49         878,564,913.53           184         3,952,801         3,974,400         2.83         61,117.16         878,685,204.44           186         3,974,401         3,996,000         2.74         59,173.75         878,685,204.44           186         3,996,001         4,017,600         2.64         57,014.39         878,742,218.83           187         4,017,601         4,039,200         2.56         5	174	3,736,801	3,758,400	3.97	85,732.27	877,910,782.54
177         3,801,601         3,823,200         3.59         77,527.52         878,151,354.00           178         3,823,201         3,844,800         3.47         74,936.49         878,226,290.49           179         3,844,801         3,866,400         3.35         72,345.43         878,298,635.92           180         3,866,401         3,888,000         3.24         69,970.26         878,368,606.18           181         3,888,001         3,909,600         3.13         67,595.07         878,436,201.25           182         3,909,601         3,931,200         3.03         65,435.79         878,501,637.04           183         3,931,201         3,952,800         2.93         63,276.49         878,564,913.53           184         3,952,801         3,974,400         2.83         61,117.16         878,626,030.69           185         3,974,401         3,996,000         2.74         59,173.75         878,685,204.44           186         3,996,001         4,017,600         2.64         57,014.39         878,742,218.83           187         4,017,601         4,039,200         2.56         55,286.89         878,797,505.72           188         4,039,201         4,060,800         2.47         5	175	3,758,401	3,780,000	3.84	82,925.41	877,993,707.95
178         3,823,201         3,844,800         3.47         74,936.49         878,226,290.49           179         3,844,801         3,866,400         3.35         72,345.43         878,298,635.92           180         3,866,401         3,888,000         3.24         69,970.26         878,368,606.18           181         3,888,001         3,909,600         3.13         67,595.07         878,436,201.25           182         3,909,601         3,931,200         3.03         65,435.79         878,501,637.04           183         3,931,201         3,952,800         2.93         63,276.49         878,564,913.53           184         3,952,801         3,974,400         2.83         61,117.16         878,626,030.69           185         3,974,401         3,996,000         2.74         59,173.75         878,685,204.44           186         3,996,001         4,017,600         2.64         57,014.39         878,742,218.83           187         4,017,601         4,039,200         2.56         55,286.89         878,797,505.72           188         4,039,201         4,060,800         2.47         53,343.43         878,850,849.15           189         4,060,801         4,082,400         2.39         5	176	3,780,001	3,801,600	3.71	80,118.53	878,073,826.48
179         3,844,801         3,866,400         3.35         72,345.43         878,298,635.92           180         3,866,401         3,888,000         3.24         69,970.26         878,368,606.18           181         3,888,001         3,909,600         3.13         67,595.07         878,436,201.25           182         3,909,601         3,931,200         3.03         65,435.79         878,501,637.04           183         3,931,201         3,952,800         2.93         63,276.49         878,564,913.53           184         3,952,801         3,974,400         2.83         61,117.16         878,626,030.69           185         3,974,401         3,996,000         2.74         59,173.75         878,685,204.44           186         3,996,001         4,017,600         2.64         57,014.39         878,742,218.83           187         4,017,601         4,039,200         2.56         55,286.89         878,797,505.72           188         4,039,201         4,060,800         2.47         53,343.43         878,850,849.15           189         4,060,801         4,082,400         2.39         51,615.90         878,902,465.05           190         4,082,401         4,104,000         2.31         4	177	3,801,601	3,823,200	3.59	77,527.52	878,151,354.00
180         3,866,401         3,888,000         3.24         69,970.26         878,368,606.18           181         3,888,001         3,909,600         3.13         67,595.07         878,436,201.25           182         3,909,601         3,931,200         3.03         65,435.79         878,501,637.04           183         3,931,201         3,952,800         2.93         63,276.49         878,564,913.53           184         3,952,801         3,974,400         2.83         61,117.16         878,626,030.69           185         3,974,401         3,996,000         2.74         59,173.75         878,685,204.44           186         3,996,001         4,017,600         2.64         57,014.39         878,742,218.83           187         4,017,601         4,039,200         2.56         55,286.89         878,797,505.72           188         4,039,201         4,060,800         2.47         53,343.43         878,850,849.15           189         4,060,801         4,082,400         2.39         51,615.90         878,902,465.05           190         4,082,401         4,104,000         2.31         49,888.35         878,952,353.40           191         4,104,001         4,125,600         2.23         4	178	3,823,201	3,844,800	3.47	74,936.49	878,226,290.49
181         3,888,001         3,909,600         3.13         67,595.07         878,436,201.25           182         3,909,601         3,931,200         3.03         65,435.79         878,501,637.04           183         3,931,201         3,952,800         2.93         63,276.49         878,564,913.53           184         3,952,801         3,974,400         2.83         61,117.16         878,626,030.69           185         3,974,401         3,996,000         2.74         59,173.75         878,685,204.44           186         3,996,001         4,017,600         2.64         57,014.39         878,742,218.83           187         4,017,601         4,039,200         2.56         55,286.89         878,797,505.72           188         4,039,201         4,060,800         2.47         53,343.43         878,850,849.15           189         4,060,801         4,082,400         2.39         51,615.90         878,902,465.05           190         4,082,401         4,104,000         2.31         49,888.35         878,952,353.40           191         4,104,001         4,125,600         2.23         48,160.80         879,000,514.20           192         4,125,601         4,147,200         2.16         4	179	3,844,801	3,866,400	3.35	72,345.43	878,298,635.92
182         3,909,601         3,931,200         3.03         65,435.79         878,501,637.04           183         3,931,201         3,952,800         2.93         63,276.49         878,564,913.53           184         3,952,801         3,974,400         2.83         61,117.16         878,626,030.69           185         3,974,401         3,996,000         2.74         59,173.75         878,685,204.44           186         3,996,001         4,017,600         2.64         57,014.39         878,742,218.83           187         4,017,601         4,039,200         2.56         55,286.89         878,797,505.72           188         4,039,201         4,060,800         2.47         53,343.43         878,850,849.15           189         4,060,801         4,082,400         2.39         51,615.90         878,902,465.05           190         4,082,401         4,104,000         2.31         49,888.35         878,952,353.40           191         4,104,001         4,125,600         2.23         48,160.80         879,000,514.20           192         4,125,601         4,147,200         2.16         46,649.17         879,047,163.37           193         4,147,201         4,168,800         2.09         4	180	3,866,401	3,888,000	3.24	69,970.26	878,368,606.18
183         3,931,201         3,952,800         2.93         63,276.49         878,564,913.53           184         3,952,801         3,974,400         2.83         61,117.16         878,626,030.69           185         3,974,401         3,996,000         2.74         59,173.75         878,685,204.44           186         3,996,001         4,017,600         2.64         57,014.39         878,742,218.83           187         4,017,601         4,039,200         2.56         55,286.89         878,797,505.72           188         4,039,201         4,060,800         2.47         53,343.43         878,850,849.15           189         4,060,801         4,082,400         2.39         51,615.90         878,902,465.05           190         4,082,401         4,104,000         2.31         49,888.35         878,952,353.40           191         4,104,001         4,125,600         2.23         48,160.80         879,000,514.20           192         4,125,601         4,147,200         2.16         46,649.17         879,047,163.37           193         4,147,201         4,168,800         2.09         45,137.54         879,092,300.91           194         4,168,801         4,190,400         2.02         4	181	3,888,001	3,909,600	3.13	67,595.07	878,436,201.25
184         3,952,801         3,974,400         2.83         61,117.16         878,626,030.69           185         3,974,401         3,996,000         2.74         59,173.75         878,685,204.44           186         3,996,001         4,017,600         2.64         57,014.39         878,742,218.83           187         4,017,601         4,039,200         2.56         55,286.89         878,797,505.72           188         4,039,201         4,060,800         2.47         53,343.43         878,850,849.15           189         4,060,801         4,082,400         2.39         51,615.90         878,902,465.05           190         4,082,401         4,104,000         2.31         49,888.35         878,952,353.40           191         4,104,001         4,125,600         2.23         48,160.80         879,000,514.20           192         4,125,601         4,147,200         2.16         46,649.17         879,047,163.37           193         4,147,201         4,168,800         2.09         45,137.54         879,092,300.91           194         4,168,801         4,190,400         2.02         43,625.90         879,135,926.81	182	3,909,601	3,931,200	3.03	65,435.79	878,501,637.04
185         3,974,401         3,996,000         2.74         59,173.75         878,685,204.44           186         3,996,001         4,017,600         2.64         57,014.39         878,742,218.83           187         4,017,601         4,039,200         2.56         55,286.89         878,797,505.72           188         4,039,201         4,060,800         2.47         53,343.43         878,850,849.15           189         4,060,801         4,082,400         2.39         51,615.90         878,902,465.05           190         4,082,401         4,104,000         2.31         49,888.35         878,952,353.40           191         4,104,001         4,125,600         2.23         48,160.80         879,000,514.20           192         4,125,601         4,147,200         2.16         46,649.17         879,047,163.37           193         4,147,201         4,168,800         2.09         45,137.54         879,092,300.91           194         4,168,801         4,190,400         2.02         43,625.90         879,135,926.81	183	3,931,201	3,952,800	2.93	63,276.49	878,564,913.53
186         3,996,001         4,017,600         2.64         57,014.39         878,742,218.83           187         4,017,601         4,039,200         2.56         55,286.89         878,797,505.72           188         4,039,201         4,060,800         2.47         53,343.43         878,850,849.15           189         4,060,801         4,082,400         2.39         51,615.90         878,902,465.05           190         4,082,401         4,104,000         2.31         49,888.35         878,952,353.40           191         4,104,001         4,125,600         2.23         48,160.80         879,000,514.20           192         4,125,601         4,147,200         2.16         46,649.17         879,047,163.37           193         4,147,201         4,168,800         2.09         45,137.54         879,092,300.91           194         4,168,801         4,190,400         2.02         43,625.90         879,135,926.81	184	3,952,801	3,974,400	2.83	61,117.16	878,626,030.69
187       4,017,601       4,039,200       2.56       55,286.89       878,797,505.72         188       4,039,201       4,060,800       2.47       53,343.43       878,850,849.15         189       4,060,801       4,082,400       2.39       51,615.90       878,902,465.05         190       4,082,401       4,104,000       2.31       49,888.35       878,952,353.40         191       4,104,001       4,125,600       2.23       48,160.80       879,000,514.20         192       4,125,601       4,147,200       2.16       46,649.17       879,047,163.37         193       4,147,201       4,168,800       2.09       45,137.54       879,092,300.91         194       4,168,801       4,190,400       2.02       43,625.90       879,135,926.81	185	3,974,401	3,996,000	2.74	59,173.75	878,685,204.44
188       4,039,201       4,060,800       2.47       53,343.43       878,850,849.15         189       4,060,801       4,082,400       2.39       51,615.90       878,902,465.05         190       4,082,401       4,104,000       2.31       49,888.35       878,952,353.40         191       4,104,001       4,125,600       2.23       48,160.80       879,000,514.20         192       4,125,601       4,147,200       2.16       46,649.17       879,047,163.37         193       4,147,201       4,168,800       2.09       45,137.54       879,092,300.91         194       4,168,801       4,190,400       2.02       43,625.90       879,135,926.81	186	3,996,001	4,017,600	2.64	57,014.39	878,742,218.83
189       4,060,801       4,082,400       2.39       51,615.90       878,902,465.05         190       4,082,401       4,104,000       2.31       49,888.35       878,952,353.40         191       4,104,001       4,125,600       2.23       48,160.80       879,000,514.20         192       4,125,601       4,147,200       2.16       46,649.17       879,047,163.37         193       4,147,201       4,168,800       2.09       45,137.54       879,092,300.91         194       4,168,801       4,190,400       2.02       43,625.90       879,135,926.81	187	4,017,601	4,039,200	2.56	55,286.89	878,797,505.72
190       4,082,401       4,104,000       2.31       49,888.35       878,952,353.40         191       4,104,001       4,125,600       2.23       48,160.80       879,000,514.20         192       4,125,601       4,147,200       2.16       46,649.17       879,047,163.37         193       4,147,201       4,168,800       2.09       45,137.54       879,092,300.91         194       4,168,801       4,190,400       2.02       43,625.90       879,135,926.81	188	4,039,201	4,060,800	2.47	53,343.43	878,850,849.15
191       4,104,001       4,125,600       2.23       48,160.80       879,000,514.20         192       4,125,601       4,147,200       2.16       46,649.17       879,047,163.37         193       4,147,201       4,168,800       2.09       45,137.54       879,092,300.91         194       4,168,801       4,190,400       2.02       43,625.90       879,135,926.81	189	4,060,801	4,082,400	2.39	51,615.90	878,902,465.05
192       4,125,601       4,147,200       2.16       46,649.17       879,047,163.37         193       4,147,201       4,168,800       2.09       45,137.54       879,092,300.91         194       4,168,801       4,190,400       2.02       43,625.90       879,135,926.81	190	4,082,401	4,104,000	2.31	49,888.35	878,952,353.40
193     4,147,201     4,168,800     2.09     45,137.54     879,092,300.91       194     4,168,801     4,190,400     2.02     43,625.90     879,135,926.81	191	4,104,001	4,125,600	2.23	48,160.80	879,000,514.20
194 4,168,801 4,190,400 2.02 43,625.90 879,135,926.81	192	4,125,601	4,147,200	2.16	46,649.17	879,047,163.37
	193	4,147,201	4,168,800	2.09	45,137.54	879,092,300.91
195 4,190,401 4,212,000 1.95 42,114.25 879,178,041.06	194	4,168,801	4,190,400	2.02	43,625.90	879,135,926.81
	195	4,190,401	4,212,000	1.95	42,114.25	879,178,041.06

196	4,212,001	4,233,600	1.88	40,602.59	879,218,643.65
197	4,233,601	4,255,200	1.82	39,306.87	879,257,950.52
198	4,255,201	4,276,800	1.76	38,011.14	879,295,961.66
199	4,276,801	4,298,400	1.7	36,715.41	879,332,677.07
200	4,298,401	4,320,000	1.65	35,635.63	879,368,312.70
201	4,320,001	4,341,600	1.59	34,339.88	879,402,652.58
202	4,341,601	4,363,200	1.54	33,260.09	879,435,912.67
203	4,363,201	4,384,800	1.49	32,180.29	879,468,092.96
204	4,384,801	4,406,400	1.44	31,100.49	879,499,193.45
205	4,406,401	4,428,000	1.39	30,020.68	879,529,214.13
206	4,428,001	4,449,600	1.34	28,940.86	879,558,154.99
207	4,449,601	4,471,200	1.3	28,077.01	879,586,232.00
208	4,471,201	4,492,800	1.25	26,997.19	879,613,229.19
209	4,492,801	4,514,400	1.21	26,133.33	879,639,362.52
210	4,514,401	4,536,000	1.17	25,269.46	879,664,631.98
211	4,536,001	4,557,600	1.13	24,405.59	879,689,037.57
212	4,557,601	4,579,200	1.1	23,757.69	879,712,795.26
213	4,579,201	4,600,800	1.06	22,893.82	879,735,689.08
214	4,600,801	4,622,400	1.02	22,029.94	879,757,719.02
215	4,622,401	4,644,000	0.99	21,382.03	879,779,101.05
216	4,644,001	4,665,600	0.96	20,734.12	879,799,835.17
217	4,665,601	4,687,200	0.92	19,870.23	879,819,705.40
218	4,687,201	4,708,800	0.89	19,222.32	879,838,927.72
219	4,708,801	4,730,400	0.86	18,574.40	879,857,502.12
220	4,730,401	4,752,000	0.84	18,142.45	879,875,644.57
221	4,752,001	4,773,600	0.81	17,494.53	879,893,139.10
222	4,773,601	4,795,200	0.78	16,846.61	879,909,985.71
223	4,795,201	4,816,800	0.75	16,198.69	879,926,184.40
224	4,816,801	4,838,400	0.73	15,766.74	879,941,951.14
225	4,838,401	4,860,000	0.7	15,118.81	879,957,069.95
226	4,860,001	4,881,600	0.68	14,686.86	879,971,756.81
227	4,881,601	4,903,200	0.66	14,254.90	879,986,011.71
228	4,903,201	4,924,800	0.64	13,822.95	879,999,834.66

#### Conclusion

In conclusion, Joss emerges as a revolutionary force in the cryptocurrency and gaming landscape, introducing an innovative ecosystem that seamlessly integrates blockchain technology and gaming. Built on a solid foundation derived from the Dash codebase, Allium algorithm, and innovative SmartNodes system, Joss offers users a comprehensive and user-centric experience.

Our commitment to Web3 blockchain gaming empowers gamers to earn rewards while immersing themselves in their favorite games, reshaping the way we view gaming and cryptocurrency. Joss's forward-thinking tokenomics, where 45% of rewards are given to miners, 40% to SmartNodes, and 15% to development funds, ensures a fair and sustainable ecosystem.

As the games we support continue to grow and the Joss ecosystem evolves, we envision a future where users can engage with diverse play-to-earn opportunities while leveraging Joss for various real-world applications. We invite you to join us on this exciting journey as we redefine the relationship between gaming and cryptocurrency, driving innovation, inclusivity, and rewards for everyone in the Joss community.