

1. $\frac{1}{x^2} = x^{-2}$ $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$

2. $\frac{d}{dx} x^3 = 3x^2$

3. $\frac{d}{dx} x^4 = 4x^3$

4. $\frac{d}{dx} x^5 = 5x^4$

5. $\frac{d}{dx} x^6 = 6x^5$

6. $\frac{d}{dx} x^7 = 7x^6$

7. $\frac{d}{dx} x^8 = 8x^7$

8. $\frac{d}{dx} x^9 = 9x^8$

9. $\frac{d}{dx} x^{10} = 10x^9$

10. $\frac{d}{dx} x^{11} = 11x^{10}$

11. $\frac{d}{dx} x^{12} = 12x^{11}$

12. $\frac{d}{dx} x^{13} = 13x^{12}$

13. $\frac{d}{dx} x^{14} = 14x^{13}$

14. $\frac{d}{dx} x^{15} = 15x^{14}$

15. $\frac{d}{dx} x^{16} = 16x^{15}$

16. $\frac{d}{dx} x^{17} = 17x^{16}$

17. $\frac{d}{dx} x^{18} = 18x^{17}$

18. $\frac{d}{dx} x^{19} = 19x^{18}$

19. $\frac{d}{dx} x^{20} = 20x^{19}$

20. $\frac{d}{dx} x^{21} = 21x^{20}$

21. $\frac{d}{dx} x^{22} = 22x^{21}$

22. $\frac{d}{dx} x^{23} = 23x^{22}$

23. $\frac{d}{dx} x^{24} = 24x^{23}$

24. $\frac{d}{dx} x^{25} = 25x^{24}$

25. $\frac{d}{dx} x^{26} = 26x^{25}$

26. $\frac{d}{dx} x^{27} = 27x^{26}$

27. $\frac{d}{dx} x^{28} = 28x^{27}$

28. $\frac{d}{dx} x^{29} = 29x^{28}$

29. $\frac{d}{dx} x^{30} = 30x^{29}$

30. $\frac{d}{dx} x^{31} = 31x^{30}$

[illegible]

[illegible]

۞ ﴿يَا أَيُّهَا الَّذِينَ آمَنُوا لَا تَتَّبِعُوا هَيْهَاتَ هَٰذَا لَمَّا تُخَالِصُوا الْكُفْرَ وَالْكَافِرِينَ فَيَاغُرُّ عَلَيْكُمْ فَاتَّبِعُوا قُلُوبَكُمْ فَكَيْتُبُوا لَكُمْ السَّيِّئَاتِ ۚ فَسَافَٰهُمُ الشَّيْطَانُ فَأَنزَلَهُمُ الْغَيَّ ۖ فَمَا تَعْلَمُونَ لَهُمْ يَوْمَ يَدْعُوكُمْ أَتَىٰ الْحُكْمَ فَسَبَّحُوا رَبَّهُمْ وَأَنبَغُوا ۚ فَذَرْهُمْ ۖ إِنَّ الْكُفْرَ وَالْكَافِرِينَ هُمْ أُولَٰئِكَ عَلَىٰ غَيٍِّ مُّذْخَرُونَ ۖ لَهُمْ عَذَابٌ أَلِيمٌ ۝۱۰۰

$$x^2 = 1$$
[illegible]

(۱) سوخو سحر فوسد، قوج قرار ایدر، ترار خوقود، داریا سوار ایدر، سورماجر ایدر

[illegible][illegible][illegible]

محرم ۱۳۰۲

[illegible][illegible]

فَوَجَّهْتُ قُرَيْشَ إِلَىٰ قُرَيْشِهِمْ دَارَ الْآبَاءِ (أَسْرَىٰ هُتَمِرًا)، فَوَجَّهْتُ قُرَيْشَ إِلَىٰ قُرَيْشِهِمْ دَارَ الْآبَاءِ (أَسْرَىٰ هُتَمِرًا)

اَللّٰهُمَّ اِنِّىْ اَسْأَلُكَ بِاَنَّكَ اَكْبَرُ مِنْ كُلِّ شَيْءٍ اَسْأَلُكَ بِاَنَّكَ اَكْبَرُ مِنْ كُلِّ شَيْءٍ اَسْأَلُكَ بِاَنَّكَ اَكْبَرُ مِنْ كُلِّ شَيْءٍ

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

(س) اِدْرَاخْ نِسْرُوْسَعِا سِرْوَمِ اِدْرَاخْ اِسْمَاسِا فَوِيحْ اِتْرَسَرِوَرِو سِرْد

[illegible]

فَوَجَّهْتُ قُلُوبَهُمْ لِنُورٍ مِّنْ لَّيْلٍ مُّضِيٍّ (١٠) وَتَوَلَّى وَوَجَّهْتُ قُلُوبَهُمْ لِنُورٍ مِّنْ لَّيْلٍ مُّضِيٍّ (١١) وَتَوَلَّى وَوَجَّهْتُ قُلُوبَهُمْ لِنُورٍ مِّنْ لَّيْلٍ مُّضِيٍّ (١٢) وَتَوَلَّى وَوَجَّهْتُ قُلُوبَهُمْ لِنُورٍ مِّنْ لَّيْلٍ مُّضِيٍّ (١٣) وَتَوَلَّى وَوَجَّهْتُ قُلُوبَهُمْ لِنُورٍ مِّنْ لَّيْلٍ مُّضِيٍّ (١٤) وَتَوَلَّى وَوَجَّهْتُ قُلُوبَهُمْ لِنُورٍ مِّنْ لَّيْلٍ مُّضِيٍّ (١٥) وَتَوَلَّى وَوَجَّهْتُ قُلُوبَهُمْ لِنُورٍ مِّنْ لَّيْلٍ مُّضِيٍّ (١٦) وَتَوَلَّى وَوَجَّهْتُ قُلُوبَهُمْ لِنُورٍ مِّنْ لَّيْلٍ مُّضِيٍّ (١٧) وَتَوَلَّى وَوَجَّهْتُ قُلُوبَهُمْ لِنُورٍ مِّنْ لَّيْلٍ مُّضِيٍّ (١٨) وَتَوَلَّى وَوَجَّهْتُ قُلُوبَهُمْ لِنُورٍ مِّنْ لَّيْلٍ مُّضِيٍّ (١٩) وَتَوَلَّى وَوَجَّهْتُ قُلُوبَهُمْ لِنُورٍ مِّنْ لَّيْلٍ مُّضِيٍّ (٢٠)

[illegible]

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

(۴) $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$ $\frac{1}{3} \times \frac{1}{4} = \frac{1}{12}$ $\frac{1}{4} \times \frac{1}{5} = \frac{1}{20}$ $\frac{1}{5} \times \frac{1}{6} = \frac{1}{30}$ $\frac{1}{6} \times \frac{1}{7} = \frac{1}{42}$ $\frac{1}{7} \times \frac{1}{8} = \frac{1}{56}$ $\frac{1}{8} \times \frac{1}{9} = \frac{1}{72}$ $\frac{1}{9} \times \frac{1}{10} = \frac{1}{90}$ $\frac{1}{10} \times \frac{1}{11} = \frac{1}{110}$ $\frac{1}{11} \times \frac{1}{12} = \frac{1}{132}$ $\frac{1}{12} \times \frac{1}{13} = \frac{1}{156}$ $\frac{1}{13} \times \frac{1}{14} = \frac{1}{182}$ $\frac{1}{14} \times \frac{1}{15} = \frac{1}{210}$ $\frac{1}{15} \times \frac{1}{16} = \frac{1}{240}$ $\frac{1}{16} \times \frac{1}{17} = \frac{1}{272}$ $\frac{1}{17} \times \frac{1}{18} = \frac{1}{306}$ $\frac{1}{18} \times \frac{1}{19} = \frac{1}{342}$ $\frac{1}{19} \times \frac{1}{20} = \frac{1}{380}$ $\frac{1}{20} \times \frac{1}{21} = \frac{1}{420}$ $\frac{1}{21} \times \frac{1}{22} = \frac{1}{462}$ $\frac{1}{22} \times \frac{1}{23} = \frac{1}{506}$ $\frac{1}{23} \times \frac{1}{24} = \frac{1}{552}$ $\frac{1}{24} \times \frac{1}{25} = \frac{1}{600}$ $\frac{1}{25} \times \frac{1}{26} = \frac{1}{650}$ $\frac{1}{26} \times \frac{1}{27} = \frac{1}{702}$ $\frac{1}{27} \times \frac{1}{28} = \frac{1}{756}$ $\frac{1}{28} \times \frac{1}{29} = \frac{1}{812}$ $\frac{1}{29} \times \frac{1}{30} = \frac{1}{870}$ $\frac{1}{30} \times \frac{1}{31} = \frac{1}{930}$ $\frac{1}{31} \times \frac{1}{32} = \frac{1}{992}$ $\frac{1}{32} \times \frac{1}{33} = \frac{1}{1056}$ $\frac{1}{33} \times \frac{1}{34} = \frac{1}{1122}$ $\frac{1}{34} \times \frac{1}{35} = \frac{1}{1190}$ $\frac{1}{35} \times \frac{1}{36} = \frac{1}{1260}$ $\frac{1}{36} \times \frac{1}{37} = \frac{1}{1332}$ $\frac{1}{37} \times \frac{1}{38} = \frac{1}{1406}$ $\frac{1}{38} \times \frac{1}{39} = \frac{1}{1482}$ $\frac{1}{39} \times \frac{1}{40} = \frac{1}{1560}$ $\frac{1}{40} \times \frac{1}{41} = \frac{1}{1640}$ $\frac{1}{41} \times \frac{1}{42} = \frac{1}{1722}$ $\frac{1}{42} \times \frac{1}{43} = \frac{1}{1806}$ $\frac{1}{43} \times \frac{1}{44} = \frac{1}{1892}$ $\frac{1}{44} \times \frac{1}{45} = \frac{1}{1980}$ $\frac{1}{45} \times \frac{1}{46} = \frac{1}{2070}$ $\frac{1}{46} \times \frac{1}{47} = \frac{1}{2162}$ $\frac{1}{47} \times \frac{1}{48} = \frac{1}{2256}$ $\frac{1}{48} \times \frac{1}{49} = \frac{1}{2352}$ $\frac{1}{49} \times \frac{1}{50} = \frac{1}{2450}$ $\frac{1}{50} \times \frac{1}{51} = \frac{1}{2550}$ $\frac{1}{51} \times \frac{1}{52} = \frac{1}{2652}$ $\frac{1}{52} \times \frac{1}{53} = \frac{1}{2756}$ $\frac{1}{53} \times \frac{1}{54} = \frac{1}{2862}$ $\frac{1}{54} \times \frac{1}{55} = \frac{1}{2970}$ $\frac{1}{55} \times \frac{1}{56} = \frac{1}{3080}$ $\frac{1}{56} \times \frac{1}{57} = \frac{1}{3192}$ $\frac{1}{57} \times \frac{1}{58} = \frac{1}{3306}$ $\frac{1}{58} \times \frac{1}{59} = \frac{1}{3422}$ $\frac{1}{59} \times \frac{1}{60} = \frac{1}{3540}$ $\frac{1}{60} \times \frac{1}{61} = \frac{1}{3660}$ $\frac{1}{61} \times \frac{1}{62} = \frac{1}{3782}$ $\frac{1}{62} \times \frac{1}{63} = \frac{1}{3906}$ $\frac{1}{63} \times \frac{1}{64} = \frac{1}{4032}$ $\frac{1}{64} \times \frac{1}{65} = \frac{1}{4160}$ $\frac{1}{65} \times \frac{1}{66} = \frac{1}{4290}$ $\frac{1}{66} \times \frac{1}{67} = \frac{1}{4422}$ $\frac{1}{67} \times \frac{1}{68} = \frac{1}{4556}$ $\frac{1}{68} \times \frac{1}{69} = \frac{1}{4692}$ $\frac{1}{69} \times \frac{1}{70} = \frac{1}{4830}$ $\frac{1}{70} \times \frac{1}{71} = \frac{1}{4970}$ $\frac{1}{71} \times \frac{1}{72} = \frac{1}{5112}$ $\frac{1}{72} \times \frac{1}{73} = \frac{1}{5256}$ $\frac{1}{73} \times \frac{1}{74} = \frac{1}{5402}$ $\frac{1}{74} \times \frac{1}{75} = \frac{1}{5550}$ $\frac{1}{75} \times \frac{1}{76} = \frac{1}{5700}$ $\frac{1}{76} \times \frac{1}{77} = \frac{1}{5852}$ $\frac{1}{77} \times \frac{1}{78} = \frac{1}{6006}$ $\frac{1}{78} \times \frac{1}{79} = \frac{1}{6162}$ $\frac{1}{79} \times \frac{1}{80} = \frac{1}{6320}$ $\frac{1}{80} \times \frac{1}{81} = \frac{1}{6480}$ $\frac{1}{81} \times \frac{1}{82} = \frac{1}{6642}$ $\frac{1}{82} \times \frac{1}{83} = \frac{1}{6806}$ $\frac{1}{83} \times \frac{1}{84} = \frac{1}{6972}$ $\frac{1}{84} \times \frac{1}{85} = \frac{1}{7140}$ $\frac{1}{85} \times \frac{1}{86} = \frac{1}{7310}$ $\frac{1}{86} \times \frac{1}{87} = \frac{1}{7482}$ $\frac{1}{87} \times \frac{1}{88} = \frac{1}{7656}$ $\frac{1}{88} \times \frac{1}{89} = \frac{1}{7832}$ $\frac{1}{89} \times \frac{1}{90} = \frac{1}{8010}$ $\frac{1}{90} \times \frac{1}{91} = \frac{1}{8190}$ $\frac{1}{91} \times \frac{1}{92} = \frac{1}{8372}$ $\frac{1}{92} \times \frac{1}{93} = \frac{1}{8556}$ $\frac{1}{93} \times \frac{1}{94} = \frac{1}{8742}$ $\frac{1}{94} \times \frac{1}{95} = \frac{1}{8930}$ $\frac{1}{95} \times \frac{1}{96} = \frac{1}{9120}$ $\frac{1}{96} \times \frac{1}{97} = \frac{1}{9312}$ $\frac{1}{97} \times \frac{1}{98} = \frac{1}{9506}$ $\frac{1}{98} \times \frac{1}{99} = \frac{1}{9702}$ $\frac{1}{99} \times \frac{1}{100} = \frac{1}{9900}$ $\frac{1}{100} \times \frac{1}{101} = \frac{1}{10100}$ $\frac{1}{101} \times \frac{1}{102} = \frac{1}{10302}$ $\frac{1}{102} \times \frac{1}{103} = \frac{1}{10506}$ $\frac{1}{103} \times \frac{1}{104} = \frac{1}{10712}$ $\frac{1}{104} \times \frac{1}{105} = \frac{1}{10920}$ $\frac{1}{105} \times \frac{1}{106} = \frac{1}{11130}$ $\frac{1}{106} \times \frac{1}{107} = \frac{1}{11342}$ $\frac{1}{107} \times \frac{1}{108} = \frac{1}{11556}$ $\frac{1}{108} \times \frac{1}{109} = \frac{1}{11772}$ $\frac{1}{109} \times \frac{1}{110} = \frac{1}{11990}$ $\frac{1}{110} \times \frac{1}{111} = \frac{1}{12210}$ $\frac{1}{111} \times \frac{1}{112} = \frac{1}{12432}$ $\frac{1}{112} \times \frac{1}{113} = \frac{1}{12656}$ $\frac{1}{113} \times \frac{1}{114} = \frac{1}{12882}$ $\frac{1}{114} \times \frac{1}{115} = \frac{1}{13110}$ $\frac{1}{115} \times \frac{1}{116} = \frac{1}{13340}$ $\frac{1}{116} \times \frac{1}{117} = \frac{1}{13572}$ $\frac{1}{117} \times \frac{1}{118} = \frac{1}{13806}$ $\frac{1}{118} \times \frac{1}{119} = \frac{1}{14$

[illegible]

(۱) اَللّٰهُمَّ صَلِّ وَسَلِّمْ عَلٰى سَيِّدِنَا مُحَمَّدٍ وَصَلِّ وَسَلِّمْ عَلٰى اٰلِهِ الطَّيِّبِيْنَ

اَللّٰهُمَّ اِنِّىْ اَسْأَلُكَ بِاَنَّكَ اَكْبَرُ مِنْ كُلِّ شَيْءٍ (ج) مَا تَدْرِيْ

[illegible]

$\frac{1}{x} = \frac{1}{\sqrt{x^2}} = \frac{1}{(x^2)^{\frac{1}{2}}} = (x^2)^{-\frac{1}{2}}$

(۳۲۰۵۷۴۶۱)

(۴) تَبْرَأُكُمْ مِّنَ الْكُفْرِ وَالْأَسْقَامِ إِنَّكُمْ بِأَعْيُنِنَا ذُرِّيَّتُكُمْ وَلَمَّا أَخَذَتْهُمُ الرَّحْمَةُ مِنْكُمْ بَسُوتًا وَتَقَبَّلَكُمْ فَارْتَأَتَكُمْ فَكَيْفَ تَصْبِرُونَ

[illegible][illegible][illegible]

