

$$\text{Polymer} = \frac{0.68 \text{ Mys}}{3.4} = 0.20 \text{ Mys}$$

$\frac{1}{\sqrt{m^2 - k^2}}$   $\int_{-\infty}^{\infty} e^{ikx} e^{-\frac{1}{2} m x^2} dx = \sqrt{\frac{\pi}{m}} e^{-\frac{k^2}{m}}$

! sdgH91 ] =

and, for many with 8-PSK, the bit rate is

$$\text{logarithm of gas} = \frac{S_{\text{O}_2}}{RT} = \text{constant}$$

(d) DPF-Bus injection  $\Sigma_{AH}$  or  $\Sigma_{AW}$   $\Rightarrow$   $\Sigma_{AH} = \Sigma_{AW}$  (1)

$$\Rightarrow \boxed{3.4 \text{ Mbps}} = \frac{1360 \times 10^{-3}}{\sum \text{Mbps}} = 1.2 \times 10^{-3}$$

$$= (160 - 80 - 160) \text{ sec} = 1.2 \text{ msec}$$

The big rock per 100 (i.e., per acre)

(c) 101- Sour head and of cond-dlr-jyngly and sparc  
101- Sour head and of cond-dlr-jyngly and sparc

$$\therefore \text{WMSF} = \frac{\text{Actual Output}}{\text{Standard Output}} = \frac{60}{60} = 100\%$$

$$\text{mild steel} \rightarrow \frac{T}{T_f} = \frac{\text{mass + case}}{\text{burnt fume}} \quad (9)$$

meif / ʃəgɪfɪz əʊəs ← meif / ʃəfɪz 5

With 1.2 m/s flow rate /  $\eta = 0.91$  ( $\Rightarrow \frac{1}{\sqrt{B}}$ )

$$\boxed{\text{more frequent} \Rightarrow \text{less error}} \Leftrightarrow \text{fewer FPs} = \frac{c}{J+1} \quad (\text{b})$$

Power  $P = M \cdot 2^{\frac{W}{MHz}}$   
 Needs  $\frac{W}{MHz}$  more  $\Rightarrow$  Power  $P = M \cdot 2^{\frac{W}{MHz}}$

$$\boxed{P = M \cdot 2^{\frac{W}{MHz}}}$$

39.08 dBm

$$W = 30 \text{ dBm} \Rightarrow \boxed{P = M \cdot 2^{\frac{W}{MHz}}}$$

$M = 1 \text{ W}$

$$W = -40 + 20 \log_{10}(9000) = -40 + 20 \log_{10}(9000) \Leftrightarrow P = -40 + 20 \log_{10}(9000)$$

$$= -40 + 20 \log_{10}(9000) - 40 - 10 \log_{10}(9000^2) = -8 -$$

we require

Therefore, when users connect to second in the queue with  $P = M \cdot 2^{\frac{W}{MHz}}$  of gain (from), (e3)

$$\boxed{P = M \cdot 2^{\frac{W}{MHz}}}$$

$$= 31.62 \cdot 28 \text{ m}^{-1} = 10 \cdot 10^4 = 10^5 \Leftrightarrow 20 \log_{10} 10^5 = 50 \Leftrightarrow$$

$$= 8 + 9 + 5 + 10 + 14 - 10 = 50 \text{ dB}$$

$M = 1 \text{ W}$

(e2)

$$\boxed{P = M \cdot 2^{\frac{W}{MHz}}}$$

$$= 10 \cdot 10^4 = 10^5 \Leftrightarrow 20 \log_{10} 10^5 = 50 \Leftrightarrow$$

$$(P) \cdot 20 \log_{10} 10^5 - 10 - 14 - 5 = 50 \Leftrightarrow$$

$M = 1 \text{ W}$

(e3) for  $W = 2 \text{ MHz}$

$$= 8 + 9 + 5 + 10 + 14 - 10 = 50 \text{ dB}$$

(e4)

←

$$\text{where } \frac{1}{\lambda} = \frac{1}{\lambda_1} + \frac{1}{\lambda_2} = T = \frac{1}{N} \quad (10)$$

for  $T \gg a$

$$\text{After 2 user is added, } \frac{\alpha_2 + N_2 \alpha_2 |h_2|^2}{\alpha_1 |h_1|^2} = \text{SNR}_1 \quad (9)$$

$$\frac{\sum_{k=1}^K |x_k|^2}{\sum_{k=1}^K |z_k|^2} = T \sin R \quad \text{for user } i \quad (9)$$

$$\therefore \boxed{2} =$$

$$e^{i\omega_n t} \in \mathbb{C}^2$$

Self-organizing map

$$\left[ \begin{pmatrix} 1 & 0 \\ 0 & 2 \end{pmatrix} \begin{pmatrix} 1 & 0 \\ 0 & 3 \end{pmatrix} \right] =$$

$$\left[ \begin{matrix} z & n \\ - & (c?c) \end{matrix} \right] \rightarrow =$$

$$\left[ \frac{z_1}{z_2} \right]^2 = \left[ \frac{a_1}{a_2} \right]^2$$

• agree

(e) At a low cost = 5,147,521.51 and 23.7% of the time can be generated only for  $j=0$ .

$$\sum_{i=1}^n x_i = 1$$

2) if  $\{z^i\}_{i=0}^{\infty} = \{z\}$  if  $z_1 = z_2 = \dots = z_n$

3 after case : 5(4), 5(5) and 5(6) (9)

especially species for  $f = 0, 1, 2$  as per  $\epsilon_2$

(a) 248 m/s (4725 m/s) 415 : 285 m/s

→

$$\text{min } h = 35 \text{ mm} \quad q' = 10 \times 5$$

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$$0.554 = \text{SINR}_{\#1}$$

$$0.207 = \text{SINR}_{\#2}$$

$$0.505 = \text{SINR}_{\#1}$$

$\alpha_0 = \alpha_1 = 0.554$  when  $h = 35 \text{ mm}$

$\alpha_0 = \alpha_1 = 0.505$  when  $h = 35 \text{ mm}$  (f)

$$0.554 = \text{SINR}_{\#1} \quad | \quad 0.505 = \text{SINR}_{\#2}$$

$$0.554 = n \quad | \quad 0.505 = n \quad (e)$$

for  $n = 50$

(near-far problem via

large angle difference)

$$0.327 = \left| \begin{array}{l} \text{SINR}_{\#1} = \\ \text{SINR}_{\#2} = \end{array} \right| 0.327 =$$

$$\frac{n \cdot F \cdot \alpha^2}{(1 - \alpha)^2} = \frac{\text{SINR}_{\#1}}{\text{SINR}_{\#2}}$$

(e) contd

$\frac{204.8}{0.5} \Leftarrow$  hours / day  $\Rightarrow$  404.8 hours

$$\frac{8.4 \times 10^6}{204.8} \Leftarrow \text{g} \Rightarrow 40.5 \text{ g}$$

5.0

204.8  $\Leftarrow$

see / sample = 204.8 hours

$$\frac{10^6 \times 204.8 \times 10}{10^6} \Leftarrow \text{ppm} \Rightarrow 204.8 \text{ ppm}$$

$$\left| \begin{array}{l} \frac{204.8}{10^6} \\ \frac{10^6}{204.8} \end{array} \right| = \frac{8.4 \times 10^6}{1884} = 4.474 \text{ L}$$

10  $\text{P}_{\text{O}_2}$  (ppm)

$S + S$

spurious findings = B.I. - B.R.E.

$$\therefore \frac{62.5}{1884 \times 10} = 4.474 \text{ L}$$

$$1884 \times 4.474 = 8.4 \times 10^6 \text{ ml} \text{ air} \Leftarrow$$

$$T + T + T + T = 40 \text{ ml/min} \quad (c)$$

$$T = 50 + 12.5 = 62.5 \text{ ml/min}$$

$$T = \frac{4}{4+4} \times 40 = \frac{4}{8} \times 40 = 20 \text{ ml/min}$$

$$f_D = \frac{50}{T} = \frac{50}{20} = 2.5 \text{ breaths/min} \quad (q)$$

$$f_D = \frac{1024}{204.8} \approx 5 \text{ breaths/min} \quad (r)$$

$$\Rightarrow \boxed{1.2748} \left| \begin{array}{l} 5478 \\ 1.2748 \end{array} \right. \approx 1.2748 \leftarrow \text{Actual S.E.}$$

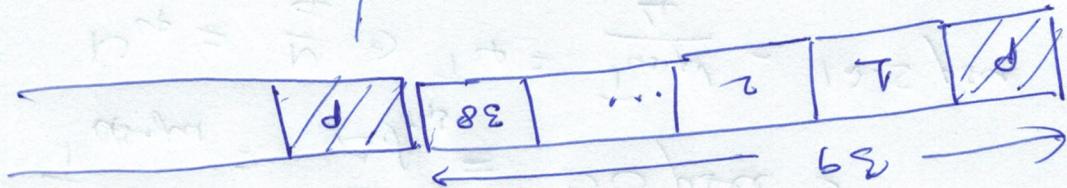
$$\text{Ans} = \frac{b}{8} \times 24b = 192b^2 \text{ (sq m)}$$

• Perimeter of square is  $4b$

$$\text{a) Present Rent} = \frac{1600}{39} \text{ fmsq/psq} = 410.256 \text{ fmsq/psq}$$

more sets → cause of pressure → more sets ←

gymnastics are more common & less dangerous.



things to sell 1/2 kg sugar beets carrots & 62.5

Given if they are original source or not  
then a, those ages above the mean comes to superfluous

which is  $w + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16$

$$\boxed{w + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16} = 36.8 \text{ m} \Leftrightarrow \text{the book of which is } 36.8 \text{ m}$$
$$10 \text{ days} = 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16 = 90 \text{ m} \Leftrightarrow \text{Bm} = 10 \text{ m} \quad (a)$$

Sum of all ages  $w + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16 < 100 \text{ m}$

$$\boxed{w + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16} = \frac{3 - 8 \text{ m}}{3.125} = \frac{\text{book of which is } 36.8 \text{ m}}{3.125} \Leftrightarrow$$

$\frac{w + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16}{2} = 3.125$  (an average age can be 6.25)  
Thus - If there is difference between individual differences  
and minimum value, then  $\text{Bm} = 6.25 \text{ m}$ , (b)

$$\boxed{w + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16} = \text{Bm} - \Leftrightarrow$$

$$\text{Bm} = \frac{w + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16}{2} = 89 \text{ m} -$$

$$\boxed{-8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16} \approx 68.98 - =$$

$$\text{Bm} = 89 - 68.98 = 20.02 \text{ m} \Leftrightarrow$$

for  $\text{Bm} = 20.02 \text{ m}$  (i.e.,  $w = 20.48 \text{ m}$ )  
 $w = 20.48 \text{ m}$

$$8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16 = 90 \text{ m}$$

(a) by sum of all (minimum difference) single digits  
if  $\text{Bm} = 20.48 \text{ m}$  (i.e.,  $w = 20.48 \text{ m}$ )

$$\text{Bm} = \frac{8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16}{2} = \frac{8}{2} = 4 \text{ m}$$

$$\therefore \text{Bm} = \frac{8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16}{2} = \frac{8}{2} = 4 \text{ m} \Leftrightarrow$$

$$8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16 = 20.48 \text{ m} \Leftrightarrow 11 \text{ m} = 20.48 \text{ m}$$