```
1. a. ved, green, blue 8 bils = 1 byees.
        1280 × 1029 = 1310, 720 pixels
         [310,720 X3 X1 = 3,932,160 hytes/frame
      b. 393216. x8 = 31,417, 200 bics/frame
         3 14 17 280/ 100,000,000 = 0.31 41 728 (1)
```

(2x0.1x10°) + (2x0.2x10°) + (2x0.1x10°) + (2x0.2x10°) = 2x10°.

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(2x10°) / (36112) = 6667 ms.

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(a)
P, (PV 2.6×106.
P2 (PV 2×106-2.6

P2 (PV 2×106-2.6

P1 (lock (gde) 2×2.6×106.

P1 (lock (gde) 2×106.

```
\begin{cases} 90 \text{ W} \\ 3.6 \text{ GHz} \implies 90 = (.(1.2r)^2.(3.6.109)) \end{cases}
                                      (=1.6x10 Farad1.
a -
        { 3.49H1. = } 40 = (-(0.9)^2. (3.4×109)
0.9V (= 1.9+24328×10-8 Favads.
        Static power low. \Rightarrow \frac{16}{10+90} = 0.1 = 10\%
         static power 30m => => = 0.9286 =9286%.
                       10 = 0.11 = 11°/.
                       10 = 0.71 = 75%
                                                                      (=1.9+243C8 X10

V=0.9V

V=63W
C. \begin{cases} P_{i} = 10 + 90 = 100 \text{ W} \\ C = 1.6 \times 10^{-8} \text{ F} \end{cases}
V_{i} = 1.2 \text{ V} \text{ }
f = 3.6 \times 10^{9} \text{ }
P_{i} = 9.1 \text{ }
       \frac{90 - (16 \times 10^{-8} \times \sqrt{^2} \times 3.6 \times 10^{9})}{\sqrt{}} = \frac{100 - (1.6 \times 10^{-8} \times 1.24^{\circ} \times 3.6 \times 10^{9})}{1.14}
                                                     \frac{90 - 57.6 \, \text{V}^2}{\text{V}} = 8
  1.2r-1.182 = 0.0844=8.44%.
                                               \frac{0.9 - 0.8918}{0.9 - 0.0651 = 6.51\%} = 13.5\%
```

(a).
$$\frac{1}{(1+0.0) \cdot \frac{1}{2} \cdot \frac{3!4 \cdot 0!4^{2}}{84})^{2}} = \frac{1}{(1+0.0) \cdot \frac{1}{2} \cdot 2!04)^{2}}$$

$$=\frac{1}{(1+0.031\cdot\frac{1}{2}\cdot\frac{3.14\cdot(10^{2})}{100})^{2}}$$

$$=\frac{1}{(1+0.031\cdot\frac{1}{2}\cdot3.14)^{2}}$$

$$=0.909=90.9\%$$

Item that meaning & =7. tem. 20cm that wearing R = 10 cm

$$\frac{\int_{0.91}^{0.92} - \int_{0.97}^{0.92} = 0.0260 \, defects/cm^{2}}{\int_{0.97}^{0.97}} = 0.0260 \, defects/cm^{2}.$$

$$\frac{12}{84.95.9\%} = 0.149.$$

$$\frac{15}{100.90.9\%} = 0.665.$$

(()	that meaning Avea. and	we need	Ne comput	1"6.
		TielL.		

$$\frac{1}{(1+(1.15)(0.02)^{\frac{1}{2}}.1.913)^{2}}=0.9^{\frac{6}{5}}7.$$

$$\frac{1}{(1+(1.1t))(0.03)^{2}(0.03)^{2}(0.03)^{2}} = 0.90t.$$

	V _{×1}	VXL	A	Vf	
	0	0	1	1	
1	0	1	1	1	
,		0.	1	1	
1	1		0	0	