

$$\textcircled{1} \quad C_1 = 500 \mu\text{F}, \quad q = 10 \text{ coul}$$

$$C_2 = ? \quad \text{parallel} = 2 \quad 1.5 \times 100 \mu\text{F}$$

parallel of 2 equal 2 times higher RATE

$$1.5 \times 100 \mu\text{F} = 150 \mu\text{F}$$

1.5 times of parallel 1.5 times lower RATE

$$C_{\text{total}} = 1.5 \text{ GHz}$$

$$\textcircled{2} \quad 1 - \text{TMR}$$

S R B T				Output	Decod
S	R	B	T		10111
0	0	0	0		TMRD

0000-0000-0000-0000-0000-0000

Input: 0 1 0 F F F 0

0-TMR

0	1	0	1	0	0
0	1	0	1	0	0

0000-0000-0000-0000-0000-0000

Input: 0 0 1 1 0 1 0 0

i) $IF (AL < 0)$

$AC(MD \leftarrow 1)$

$AC \leftarrow AC + MD$

ELSE

$AC(MD \leftarrow 1)$

$AC \leftarrow AC - MD$

IF $(AC < 0)$

$MD_0 = 0$

ELSE

$MD_0 = 1$

REPEAT
A TIMES
WHILE $A < 0$
THE NUMBER
OF THE M
 MD_0, MD

IF $(AL < 0)$

$AC \leftarrow AC + MD$

} reverse AT CWD

ii) $IF MD_0/MD_1 == 00$ THEN $AC \leftarrow AC + D$

$= 01$ THEN $AC \leftarrow AC + MD$

$= 10$ THEN $AC \leftarrow AC - MD$

$= 11$ THEN $AC \leftarrow AC + 0$

24

$$R = 5 \text{ ohms} \quad \mu C = 10 \text{ m} \quad R = 1.1 \text{ ohm}$$

Given
Given, $R = 5 \text{ ohms}$ and $\mu C = 10 \text{ m}$ and $R = 1.1 \text{ ohm}$
 \therefore $10 \text{ m} = 5 \text{ ohms}$

$$\text{Given, } \frac{5 \text{ ohms}}{\text{ohm}} = 10 \text{ m}$$

$$\frac{5}{\text{ohm}} = \frac{10 \text{ m}}{\text{ohm}}$$

Given $C = 10 \text{ m}$ and $R = 1.1 \text{ ohm}$

$$C = \frac{R}{5} + \frac{R}{4} + \frac{R}{4} + \frac{R}{3} + \frac{R}{7}$$

$$10 \text{ m} = \frac{1.1 \text{ ohm}}{\text{ohm}} = 10 \text{ m}$$

Answe $C = 10 \text{ m}$

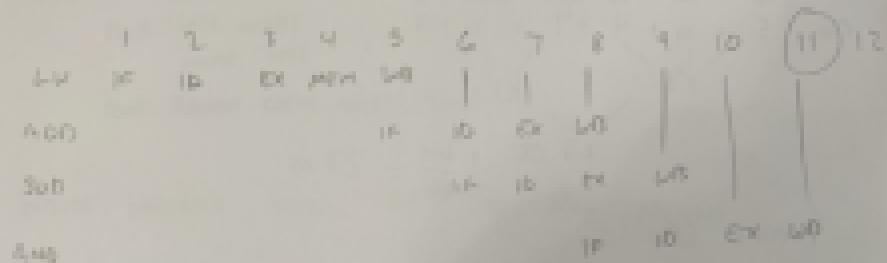
It means that 10 m is to get the initial resistance

$$\text{Answe } C = 10 \text{ m} \quad \left(\text{since } 10 \text{ m} + (10-1) \right) = 5 + (6-1) = 10 \text{ m}$$

$$10 \text{ m} \cdot \frac{1.2 \text{ m}}{\text{m}} = 12 \text{ m}$$

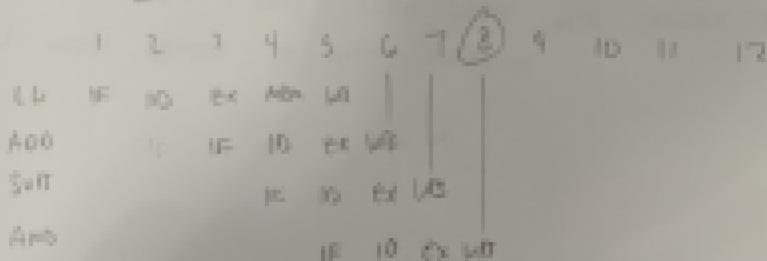
5	Low	112	40	(10)
	High	111	114	113
	Med	113	112	114
	Avg	113	112	113

A) Theme: Answers



II. Cards, Circles, Wing, Cloud, Streets

B) Theme: Answers



8. Card, Circle, Any, Second, Line, Two, Third,
Clouds, Wing, Parachutes



Registers Data DR

(Reg: RAMA ACCES TIME)

(Reg: RAMA WRITE TIME)

(Reg: RAMA DR)

Registers Address Time

(Reg: RAMA ADDRESS TIME)

(Reg: RAMA DR)

(Reg: RAMA CACHE ACCESS TIME)

B) Write latency from CPU to Main Memory

Write TO CACHE, replaces a page of old data

C) Main memory is updated on write update times of
a page and also when same miss occurs and
CPU writes back to main memory.

7

Berechnung

Wert von Z gesteigert?

W = 6.000,-

$$\text{Zinsen} = 2^{\text{th}} \text{ Jahr} \quad \frac{\text{Zinsen des 1. Jahr}}{\text{Zinsen des 2. Jahr}} > 1 \text{ der Zinsen}$$

$$0.04 = 2^{\text{th}} \text{ Jahr}$$

$$\frac{1}{2} = 2^{\text{th}} \text{ Jahr}$$

$$B = 12$$

Wert abnehmen

$$\frac{\text{Wert}}{\text{Wert}} = \frac{64}{64} = 16 = 2^4 \quad \text{Zins} = 4 = 16 \text{ Jahr}$$

$$A = 16$$

B = 12 mit - wert von 1 Jahr

$$2^{\text{th}}$$

$$A = 16 \text{ Jahr}$$

$$B = 12 \text{ Jahr}$$

$$C = 4 \text{ Jahr}$$

$$B = 12 \cdot 2^{\text{th}} \text{ Jahr}$$

① a)

$$5 \text{ min} \text{ zweit} : 32 \text{ min} = \boxed{60 \text{ min} \text{ zweit}}$$

$$1 + \frac{(60 \text{ min} - 20 \text{ min})}{40 \text{ min}} + 2$$

$\boxed{403 \text{ case cycle mit Priority}}$

$$\text{m}_{\text{max}}(P) = ? \quad L/S \text{ Wert: } 40x^2 \quad 1 \cdot \text{CASH} : 5x^2 \quad 0 \text{ Nachfrage nach einer } (P_1)^*$$

mit Priorität: 100% zugesagt

Erlöse von $(P_1) = \text{real. CP} + \text{real. Nachr. CASH} \cdot \text{Nachr. Nachr.}$

$$\frac{10x^2 \cdot 40x^2}{4x} \quad \frac{20x \cdot 5x^2}{7x} \quad \frac{60}{164} \cdot 100$$

$$0.04 \cdot 100 = 4$$

$$0.03 \cdot 100 = 3$$

$$3 + 4 + 1 = \boxed{10 \text{ erlöse von } (P_1)}$$