프레임 전통시간 (transmission time) > 2. 전화시간 (propagation time)

ापेड़ : 20M bps (येयादंहरें) येयादां के 20 MS

- a) 型性型等和2 40 / 15.
- b) 프데임의 3년2기 A간 X 전염.

10 - 10 5 x 20 x 106/5

= 800 bit.

12.4

Monchester.

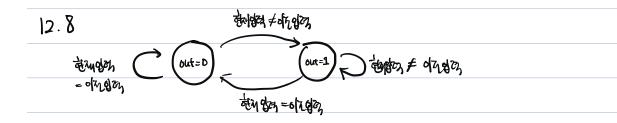
920) 7th the star

12.6 8 B 6 T $\frac{6}{8}$ x 33 $\frac{1}{3}$ = 25 Boud.

Pure tenary log_ (3) = 1.585 bit/boud. SHIE DES 1.585 HE.

1.585 X25 M band = 39.62 Mbps.

비트 寂.



12.10.

A)

B₁ = A₁ + B₁ - 3 + B₁ - 5

B₀ = A₀ = 1

B₁ = A₁ = 0

B₂ = A₂ = 1

Correction

B₃ = A₅
$$\wedge$$
 B₀ = 0 \wedge 1 - 1

B₄ = A₄ \wedge B₁ = 1 \wedge 0 = 1

B₅ = A₅ \wedge B₂ \wedge B₀ = 0 \wedge 1 \(\cdot 1 \) = 0

B₆ = A₆ \wedge B₃ \wedge B₃ = 1 \wedge 1 \(\cdot 0 \) = 0

B₇ = A₇ \wedge B₄ \wedge B₂ = 0 \wedge 1 \(\cdot 1 \) = 0

B₈ = A₈ \wedge B₅ \wedge B₃ = 0 \wedge 0 \wedge 1 = 1

B₉ = A₈ \wedge B₅ \wedge B₃ = 0 \wedge 0 \wedge 1 = 1

B₁₀ = A₁₀ \wedge B₂ \wedge B₃ = 0 \wedge 0 \wedge 0 = 0

B₁₁ = A₁₁ \wedge B₃ \wedge B₆ = 0 \wedge 1 \wedge 0 = 0

B₁₂ = A₁₂ \wedge B₄ \wedge B₇ = 1 \wedge 1 \wedge 0 = 0

B₁₃ = A₁₂ \wedge B₁₄ \wedge B₁₁ \wedge B₄ = 1 \wedge 1 \wedge 1 = 1

b) C₇ = B₇ + B₇ \wedge B₇ = 1 \wedge 1 \wedge 1 = 1

C₉ = B₉ = 1

C₁ = B₁ = 0

C₂ = B₂ = 1

C₃ = B₃ \wedge B₀ = 1 \wedge 1 = 0

$c_4 = B_4 ^B = 1^0 = 1$
C5 = B5 ^B2 ^B0 = 0^1^(=0
C6 = B6 B3 B3 B1 = 0 1 10 = 1
$C_7 = B_1 ^B_4 ^B_2 = 0^{(1)} = 0$
C8 = B8 ^B5 ^B3 = 1 ^0 ^1 = 0
Cy = By ^B6 ^B4 = 1 ^0 ^1 = 0
Co = Bo ~ B7 ~ B5 = 0 6 0 = 0
C11 = B11 ^ B 8 ^ B6 = 1 ^ 1 ^ 0 = 0
C12 = B12 1 Bq 1 B7 = 6 1 1 0 = 1
C13 = B13 1 B10 1 B8 = 6 10 1=1
C14 = B14 / B1, /Bq = 1 / 1 / 1 = 1