Subject. Date.

Subject PE PE PE PE PE PE PE PE adi riod 1 dinude of the step stig i feel de Menory. ( Processing Elevent PE Jus timed is if is may folic in ورام برمم وبود دارد.

ر طارق ليز ماك خورود حارم اد دوج و فازان د داري عمليات ا بعام مور ملا · φ, 5, 9, 14 sle- JUE 16 +MEI 5000 501 + 1,2,3 / b- July 10 + NPCII 5797501+ + 6 105 610 TYPETTISON + حراب طاب زمای بر بردوی کاب برگان کیاریو را افال کوانیم - 1 Unit 15 200 5 15 1/5/16 x - lus is 91317 30 20 ( All ) 31.70 ( All ) ob - 1 6 1-4 \* حما حطور السيء فأراك الم لي حورت بيس كارلس ورستم فأر بركاري in in the la Packett & rolling she in in 

Date. Date. | Sept in proceed by Unit 7 & John (destrace of ) I new unit or consent unit , the packet . 2,6 8,45! 11- X in Ling 3) if proce society of Packet Header Flit, Tail Flit, Pallager Flit, Credit Flit, Routing Flit Virtual channel Plit, Exfor Plit Header Flit doita Pachet Fill (Pail law Flit)

Header Flit + 7 Gular 1, 6- Flit; 1 plo 524 (Ent.)

Tail Flit; 4

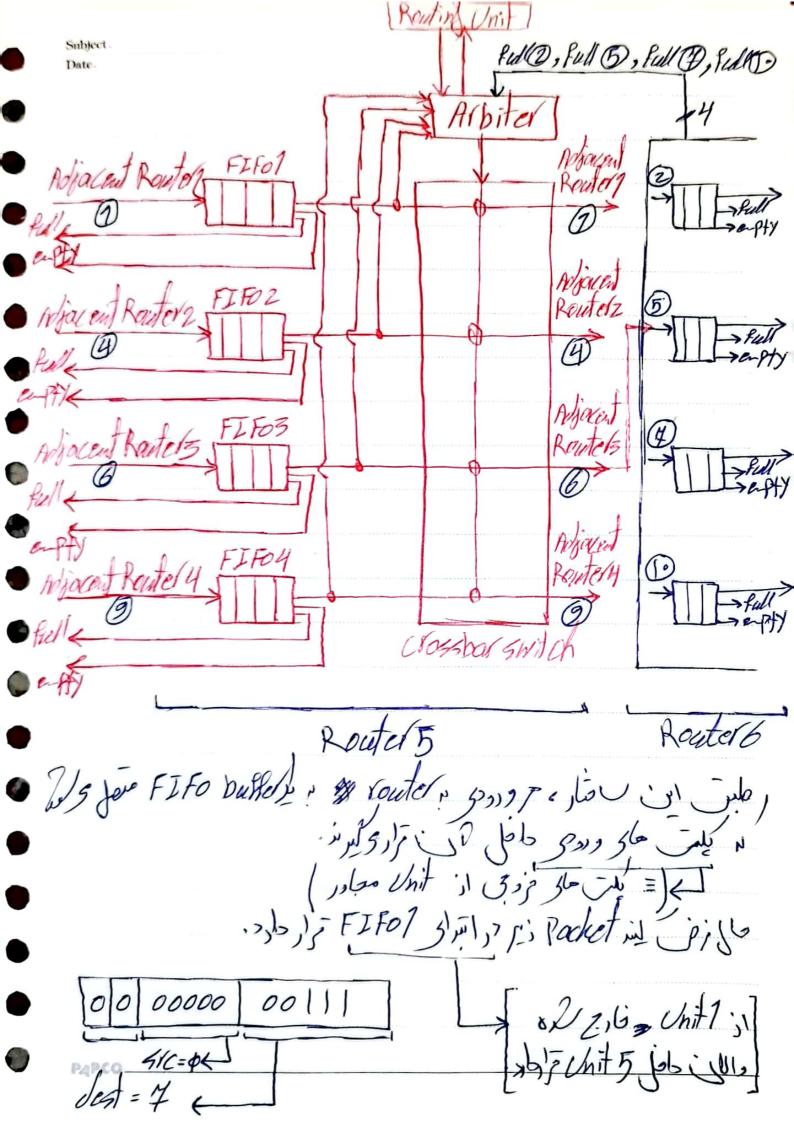
Subject.  Date.  Haver Flit - The Haver Flit is the initial flit of a
Packet and Centains Control information
+ 4rc & dest addlesses,
+ routing information,
+ Packet Length
+ and etc.
115. 00
(2-bit) Flit Type
(8-bit) Flit Type
There Flit = $\phi\phi$ Tail Flit = $1\phi$
(5-bit) 41c add/
(5-bit) sec add/ (5-bit) dest add/ (5-bit) dest add/ (15-bit) dest add
( x 1/2 vela classes along advet of a classical along
(1) It I Go Jus Country Information
· · · · · · · · · · · · · · · · · · ·
P. PCO

Tail Flit - The Tail Flit is the final flit of a pachet and typically includes an end-of-packet marker or other indicators to signal the Confletion of Packet transmission. \* The tail flit informs the receiving router or processing element that the entire packet has been received successfully. TF: 1 PPE (5-bit) sie addi (5-bit) dest add 2 - ما النا ما النا فارس بورات برق آم الما ما مع المعال مع المعال مع المعال المعال المعال المعال المعال المعال المعال المعال المعال المعاد المعال المعاد المعال المعاد المعال المعاد المعال المعاد المع

حا نطور در و دان ، از مبراً 5 م مور 4 جنرین میر وجو د دارد: على لوّالي اي م اليف و جو حدار ابن الرته و Vouto از لعا حومه مان بلر ماروی لدام و دی و د قرار دهر. برای مربریت آیی مقلم بر سه المان دیم دافل معلمده میاز داریم: Arbitel : الله عال المراد المال المراد المال المراد المال المراد المال المراد Full . POSTA L bitis input buffer [? 5,6 F., FIFO buffer Crossbar switch in بر منظور خال ورودی مال 🔾 وتحقى محلنهما ملت ازبار عمم كره ياند. ( in the populi 21 fellies it )

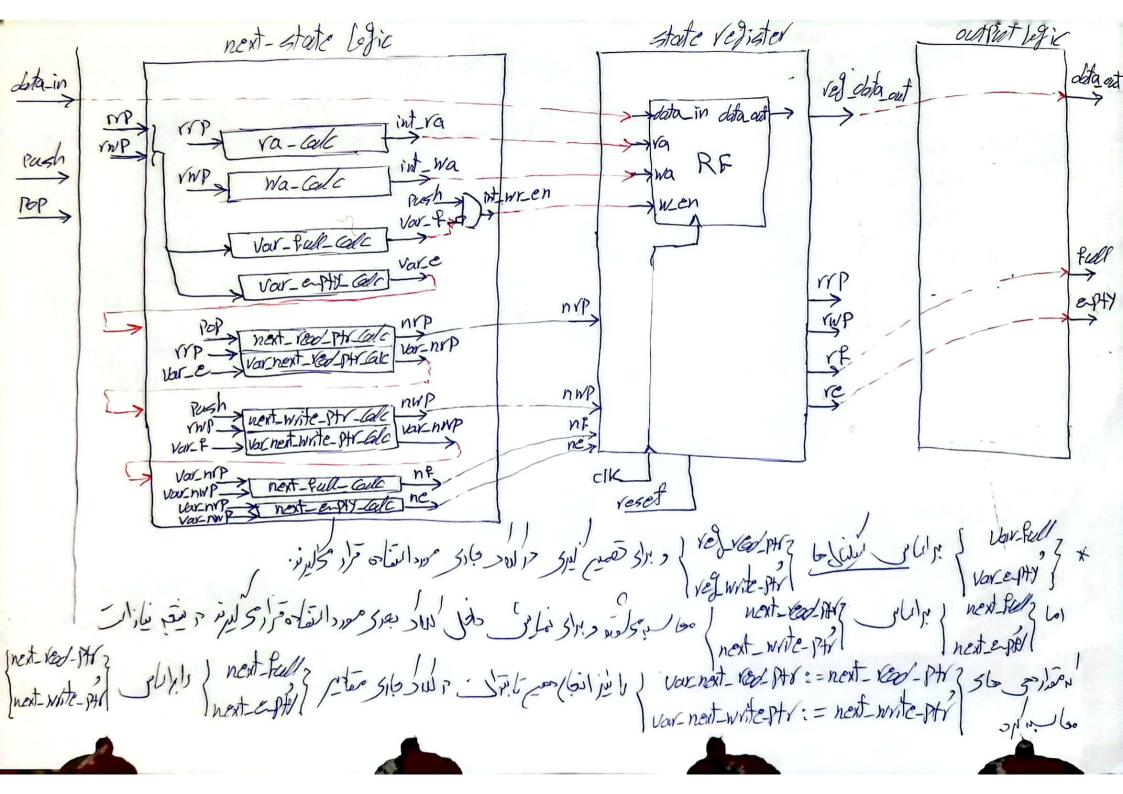
ist of ist = Clossbar switch (iii esse Controlling signals come from the Arbiter. Eli l' Packet l'ils se

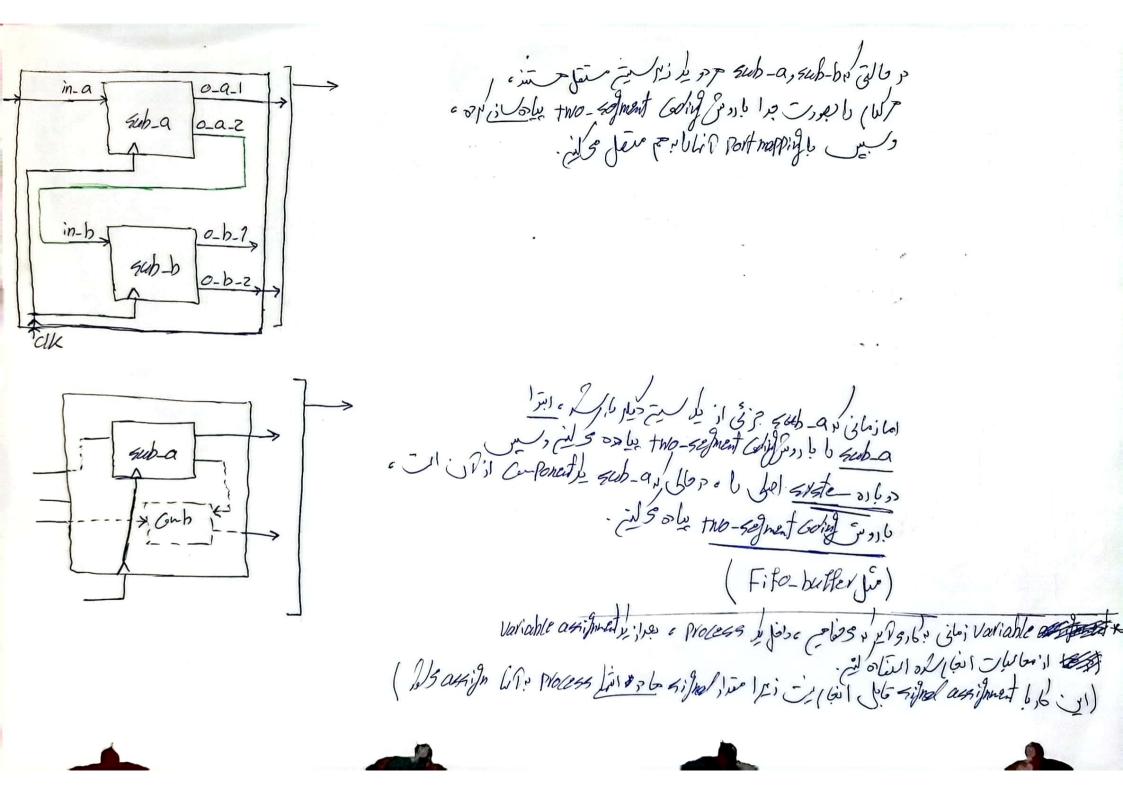
Subject. ilis Routerne or is ال مناوع على وزير فاص PAPCO.

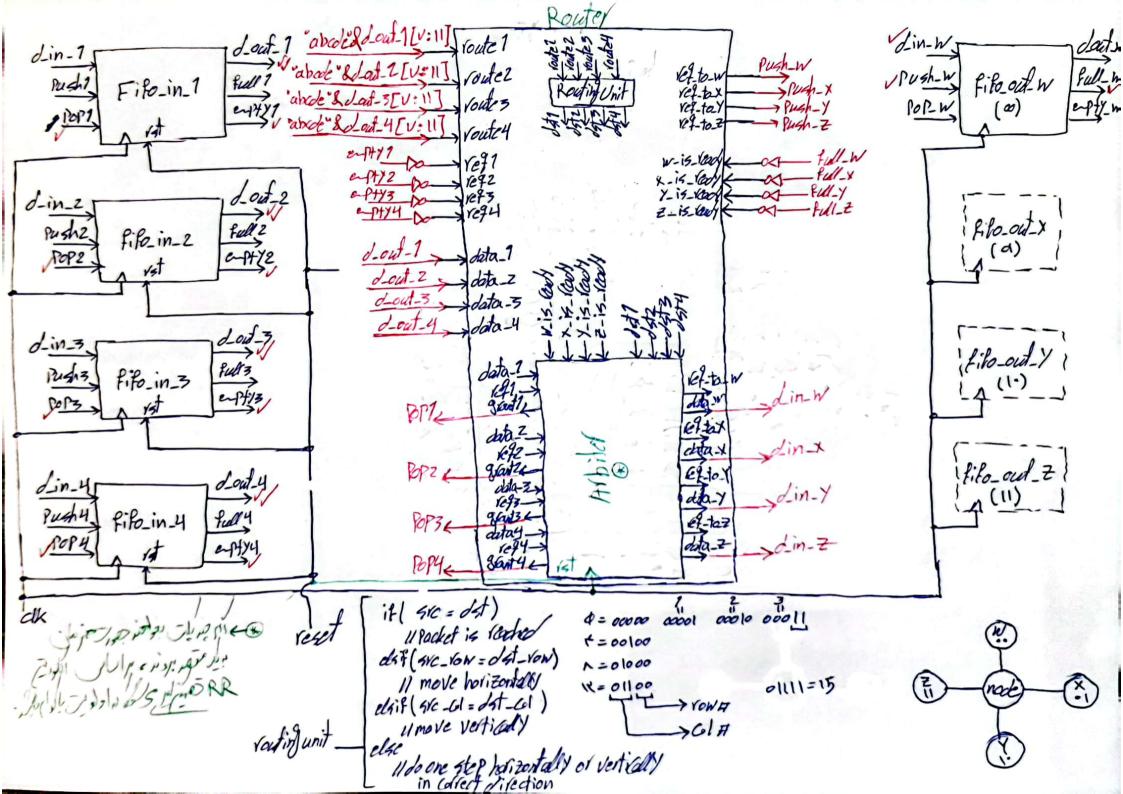


Subject = Quartusts objes; visions base Device: Cydone IV E-EP4CE6E22A7 € MUX 4:1 - jub Elahoration + Jours RTL simulation Contelevel simulation S Analysis & Synthesis + Joe (Synthesis) Filter Slace and Voute) + Tiving Analysis + EDA Netlist Witer + Timing madel: sibn - 4 1.20 - 1.1) topdrout = Ens ts/f\_out=9ns

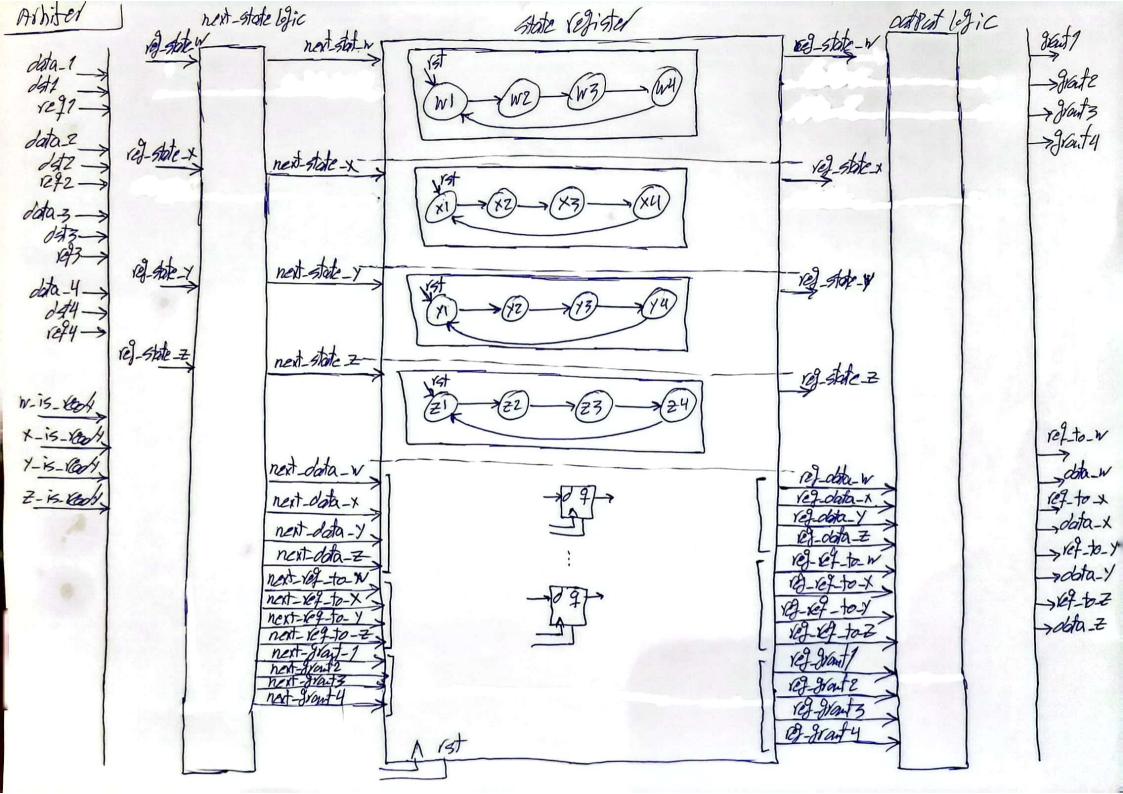
Subject. Date. Jegenetic Jose XF 24ns 122 pit y 366 gate level simplifien mux 25 x ع حنيا عفير ودي ، ال (590 CPC) \* دست ليا در ليز در وي المريميار X عوماً في دردي طاح والله Generalis Conferent; I was his, of Lines & Conferent + ? > > 9 generic some parter & poster & parter &







full 1 Push 1 ateuser/main Jin-w > Rush-W full-W 7d-in-x d-in-2 full 2 = Push2-Router Push3 -full-Y full 3 c du-



Vert to XZ ref\_leg data\_1/="11 ... Par- 7=1 Soute-1 =--(ef-to-x=1 EJ-2=0 1516=5 Yef-360 data\_X= 16/1/200 (1 169-42=6 ref\_1 = 1 X\_15\_CON/E-1 all pop signals must be ?? all ref-to- signeds must be \$ \*

- المال اللورت اللورة ( route - 1) اللورة ا

veret=0		
XI X2 169-160 data_2 2=2 169-260 dat_2 2=X 169-360 ref_2 = 1 169-460 x_is_160/2=1	$\begin{cases} \times 3 \\ \text{q-rant} = 1 \end{cases}$ $\text{ref}_{\text{to}} \times = 1$ $\text{data} \times = 2$	XXI
$W1$ $W2$ $169.169$ $data_3 = 3$ $169.269$ $data_3 = 3$ $169.269$ $data_3 = W$ $169.369$ $169.36=1$ $169.369$ $169.36=1$	W3	$\begin{cases} w4 \\ \sqrt{w1} \\ \sqrt{3} = 1 \end{cases}$ $\sqrt{6} - 3 = 1$ $\sqrt{6} - 40 - w = 1$ $\sqrt{2} = 3$
Jant 2= \$ grant - 2 = \$  29 tont - 2 = \$  29 tont - 2 = \$  29 tont - 3 = \$  30 tont - 3 = \$  20 tont - 3 = \$	J'ant-2=7 J'ant-3=\$	grant-2=9 grant-3=1
	grant - 2 =  ref to - 1  grant =  ref to 1	$X = \phi$ $S = \phi$

