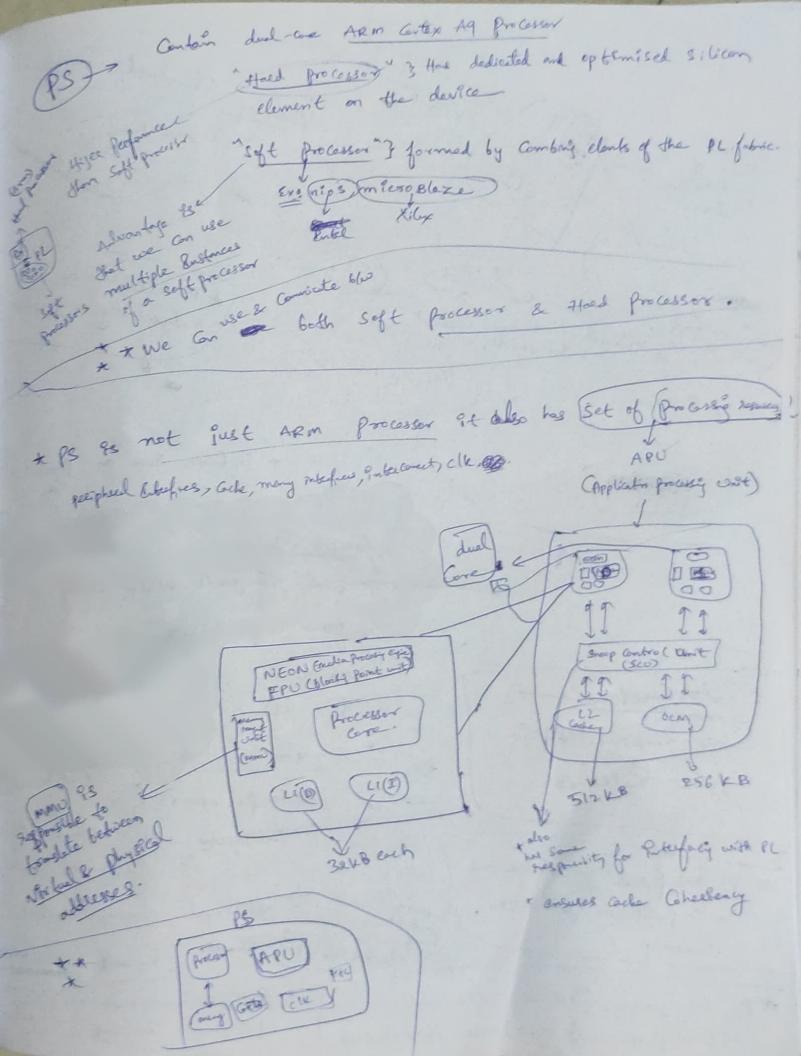
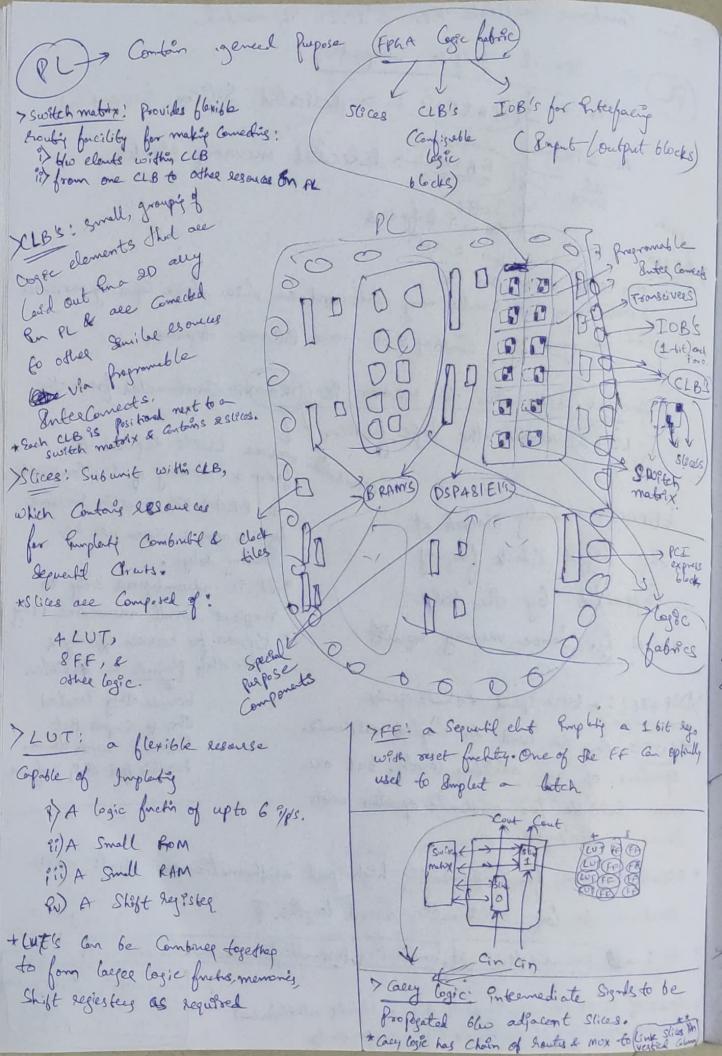
Standard Carrellon Contral of System Sudercarely Jan * PS & PL Can be used for hopology (Reit c) / Buch + Soffmet Sun on freezer (Rear P of " Seei peterals! * fretial Congents Esily away from Processos of need to be cornected of you want * Inter Convictions () are Implemented Via * 3 mais freliens: \$ Co-processors (Est dema) AXI Enternies. 11) Enteractify with external sity * Ps has fixed architecture and (cos led, Swith likest) hoets processor en System. proper additional minory flowers Memony (Packal Into Tre was thought and souls * ps completely blexible, are can aute Perpheral angul Cus four peoplessale (or house Stould ones.





* Can Combined multiple BRAS & DSP'S of needed (R) 3) Special purple Comparts: CIF - FOSPAREI's > dedicated Silicon resources. ANC & DE BAAM) dedicated memory 66 cks.

TRAGE

FORMS

LOB'S

LOB'S

Comm interpress

RAM?

2,1826'S. BRAM?

* May 5876 36 kb., On be

break down into Smaller namy class cound an also have Garchy menutes Can be find by Combre 2 or more BRAM's together. + Another Alteenstive to BRAM is (DRAM) Constructed from the LUT'S within the logic fabric. I la more LUT's requel to form a memory of sixe Compalable + BRAM'S normally clocked at to BRAM-KS results, Encraved logica a one & there will be She begut Clock frequery Gouffing delays. * It is advantageous only to Supported by the device Employet Small momories usly tosed for dense menoy requite DRAM. for resource efficiency & also their placent is fexible. XDSP.48E1: * Hish speed distrute opening because they located * (UT'S) Can be used to Emplet all Mentic Refer to contact that executors of any aribitary leight, but are healthy fast that perfone more Suitable for alifhente operators with Short wordleyths. * DSP4REI's are for Emplementing high-speed alithemetic on Signals with median to log as shematic word lengths. F + the: . Pre-adder/subtractor, fromtiplier, fost-adders when logic unit + Equile of SIMD Processes, Puplinty 2 or a shorter additingsubin) assumbly opentions of 24 00 12 bits, respectively

Toble: (Genel Pugose 210). * Hey are referred as Select IO Resources, and truge are organized Parts (bonks of 50 IOB's each.) + Such IOB has I put, which provides the physical Conception to the outside world for Stylet 9/0/01/ Stylet . Ho banks are categorized as: OHP (High Parformance)
(2) HR (High Ronge) & Support a Vallety of I/o Standards. & voltages. ttp> + Gmited to 1.8 V & are typically used for high-speed Parterfaces to memory & other Chips, HR) & Voltages up to 3.3V and City for a wider 2/0 strates. to the TOB also Pucheds on IOSERDES resource for programable Conversion 6/20 poullel & Seerel date formats of 6/20 2-8 69ts. Committee Enterfaces: Somplemented as quadist i.e., 980 ups of 4 Endividad chands. + atx Transceivers. 3 high speed Com Interface blocks which are dedicated Hard IP blocks (SiGGON 66cKS) + Supporting Enterfaces: PCI express, Social supid IO, SCSI, SATA

* En ferme of working use I pro & Saket 4/w & Palarmeter

Other PC external Enterfales:

7 Ato C & Come Com:

* (XADC block) -> Held IP.

Mixed Signal Hardware. I Has 12 separate 12 5:6 ADC's

* Control of XADC 9s achieved using the PS-XADC Portespace block. Couted within PS. & programed from 44 executes on APU.

Combination -> EF

* PL Secreves 4 Separate clock Inputs from ps, and additionally has the facilities to generate and distribute its own clock styruls. Pudependently of the PS.

> JTAG: (programing & debug)

* A Set of JTAG Ports are provided in the Pl Section to facilitate Configuration and debugging of the Pl

* JTAG Supports debugsty with Both ARM & Xither follow