| Q Wand hers |
|--|
| D) why de me need en distinct donain? |
| - External actors use the "state" Of the dancin in calculations |
| T- If these states are relevant outsole down. |
| 2) Dowe need to fromerate all the possible transitions in a donain? T-if outside conditions trigger the transitions ?? |
| |
| Danain |
| Inhor-Domain |
| Cospling |
| |
| |
| Nomen = Totali trata |
| $-\frac{1}{2}(x_1-x_1) + \frac{1}{2}(x_1-x_2) + \frac{1}{2}(x_$ |

| Clements of A Domain |
|---|
| - Addressability Something outside of Domain needs |
| In Determiny external state |
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| | The role of computation in Synthesising structure in a flet memory map 15, important. |
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| Q)uhen is a new instance of a Domain synthesised? |
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| el a Vendin Synthesised |
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| the Somains / Souta structures | |
|--------------------------------|----------------|
| the Somains / data structures | |
| have corrent state | |
| t-forus | |
| nave possible states | |
| i l | |
| have possible transitions at | each State |
| Inthelase of the blocks on t | he tape |
| - those domain 14 stances are | |
| and and duplicative | |
| - the domain instances are | individala |
| | |
| - the domain instances have | current |
| | |
| - the transitions between | 5 ternes |
| ove well defined | |
| - but the triggers for | he |
| transitions are not o | de frued |
| within the devices | |
| | |
| - Some outside entity must | |
| the domain to trigger. | he transitions |
| - An outside entity must e | made map |
| The trigger Conditions? | te the |
| Sangen transitions | |
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| | |

From the outside A Somern has - An address - A corrent state - A set of commands that can be executed on the Comain (triagress Cortransitions) - An output of the possible Har Comanda for the corrent State ??? For a domain to be relevant. a maper most exist somewhore that Classifier State -(Transition) Observer Commano Executor 51 52 53 D5 D6

| | Durin should a mapper be synthesised |
|---|---|
| | 1) when its first referenced ?? |
| 1 | Corrent |
| | 0505050505050505 |
| 4 | $\begin{array}{c} C \rightarrow C \\ \end{array}$ |
| | By 3 13 x 1 1 |
| | Transitruing AJX->X+1 concreates X11 |
| | Referency B creates B11 |
| | |
| | |
| | |

Cossent instansiation of domain tronsi Corsent bled / enabler for eference or enal

How do wa do data structure?

Daria Structure Type Possible states Dela Structure Instance

M zcci P4321 In Dico makes Dsoo visible to Mzaco Mrcco modifies Dicco bused on Disco