




$\alpha (\alpha_1, \alpha_2)$ \longrightarrow a 2-thread program where thread α_1 has high speedup and blocks thread α_2

$\beta (\beta_1, \beta_2)$ \longrightarrow a 2-thread program where thread β_1 blocks thread β_2

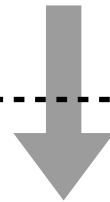
γ \longrightarrow a single-thread program with high speedup

 \longrightarrow Speedup priority

 \longrightarrow Block priority

 \longrightarrow Speedup & Block priority

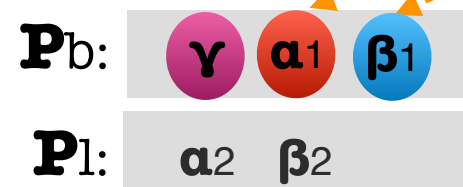
Runtime Scheduling



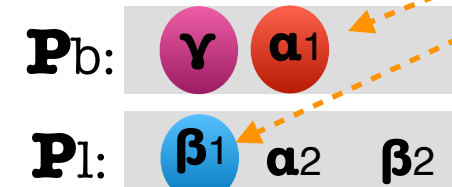
Multi-factor
mixed Model

Multi-factor
Coordinated Model

Core
Allocation:

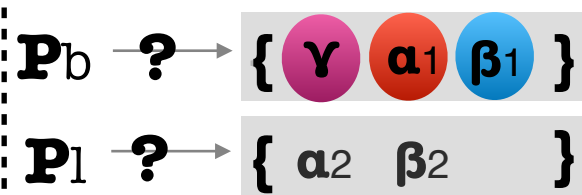


All high priorities
threads only on
big cores

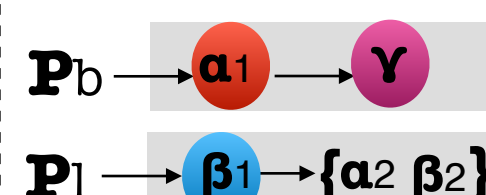


High priorities
threads distributed
on both cores

Thread
Selection:



No guideline from
the mixed model
and VM



Detailed guidelines
from the
coordinated model