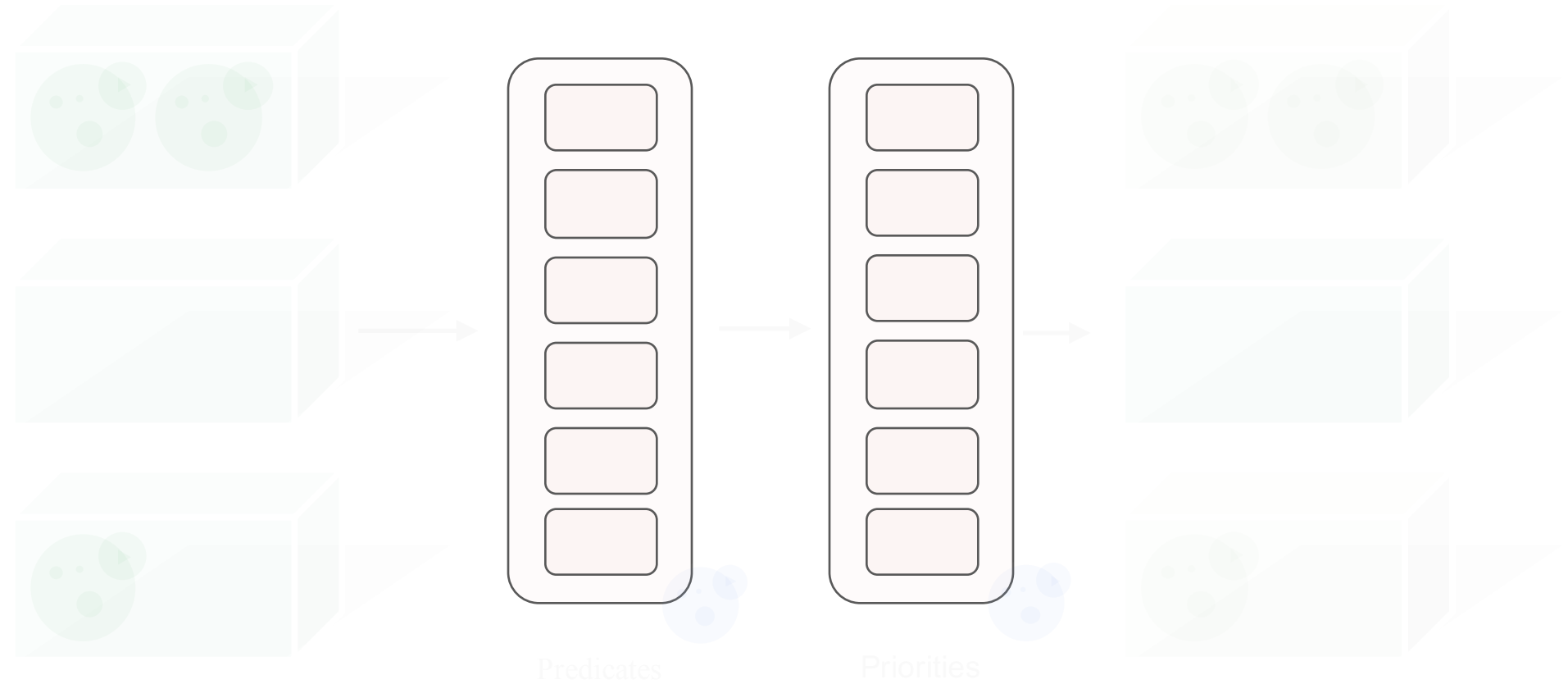
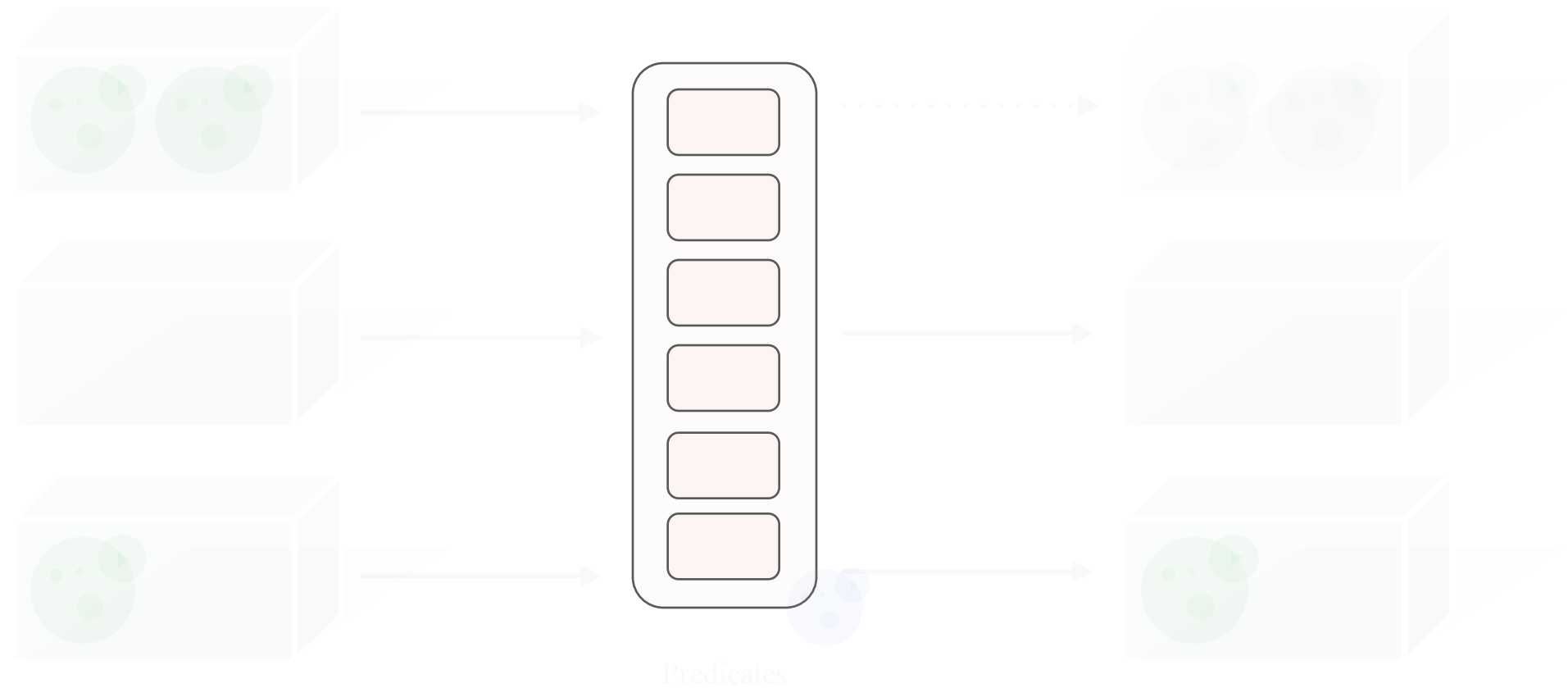


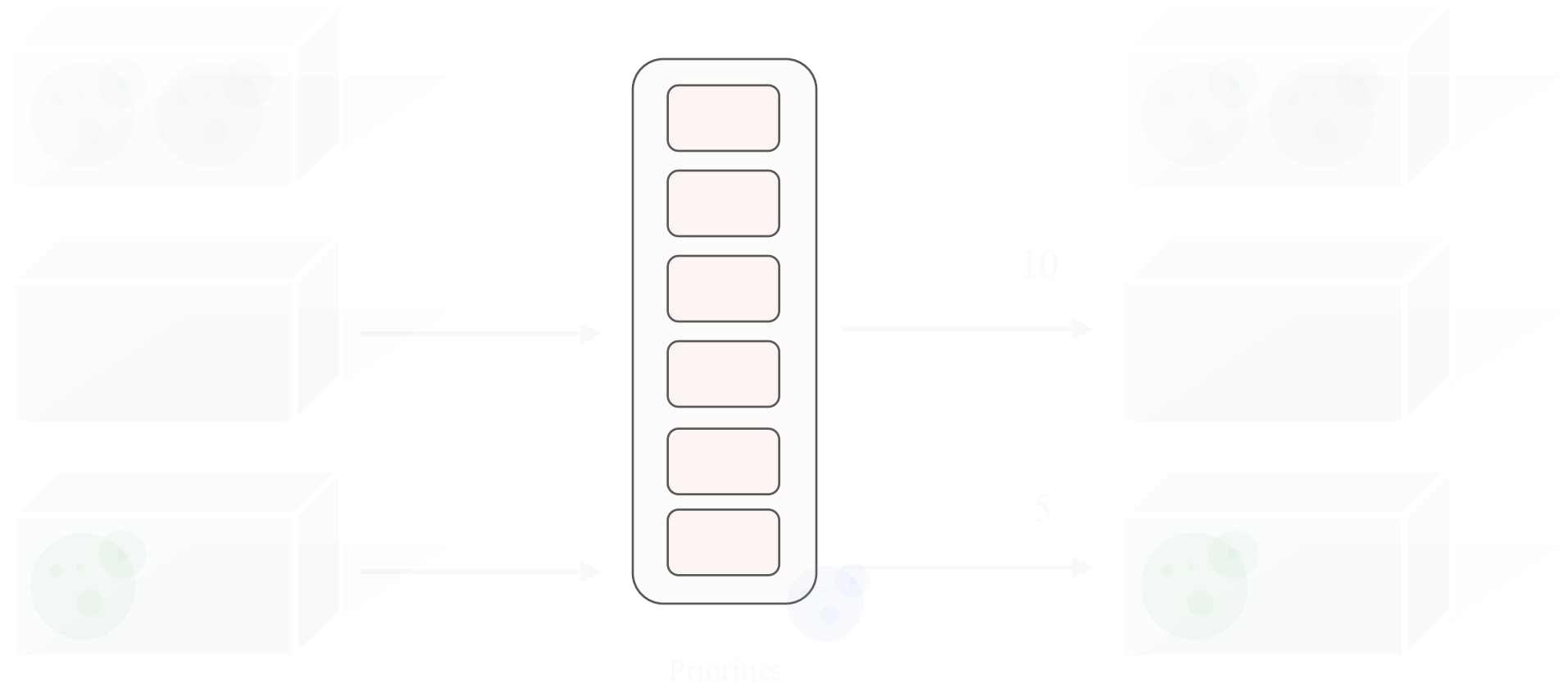
# Kubernetes 中的资源调度与资源管理

Da Ma (@k82cn)

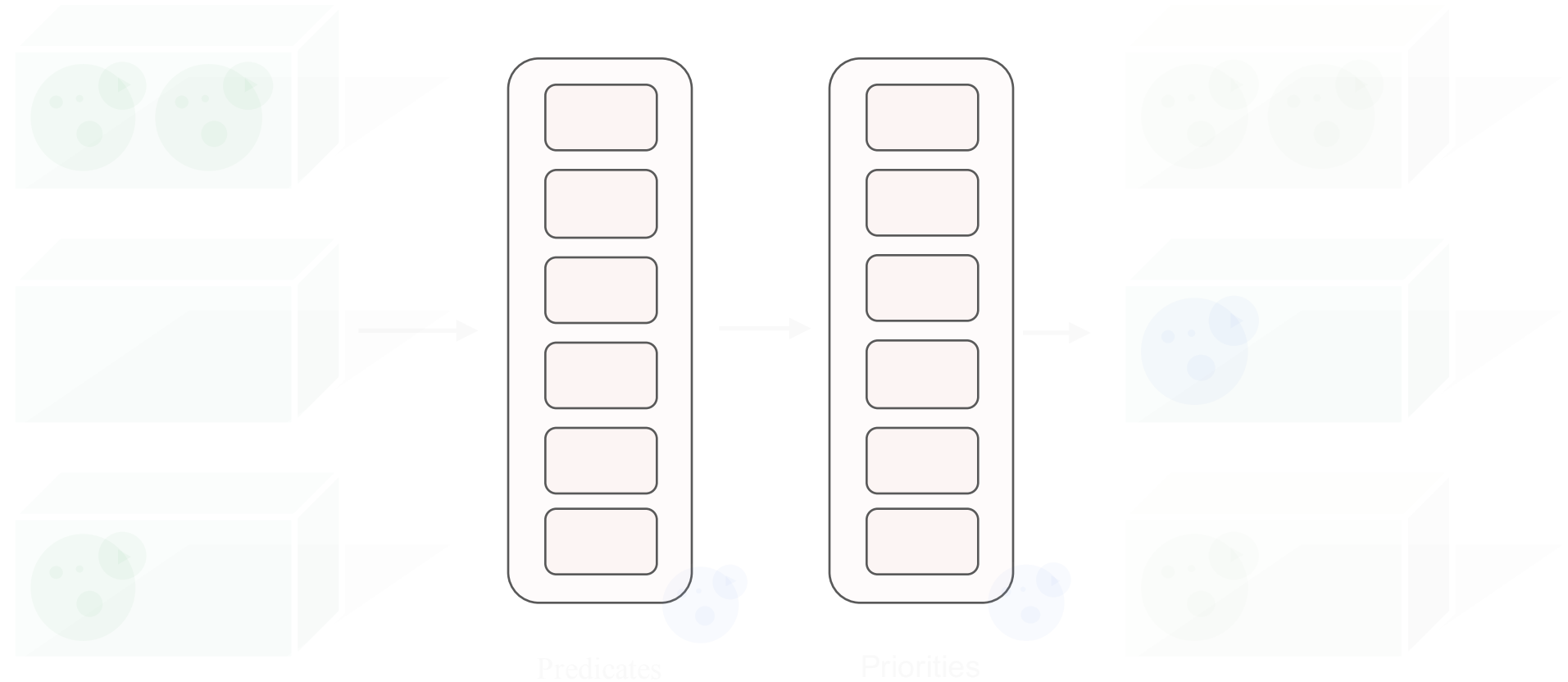


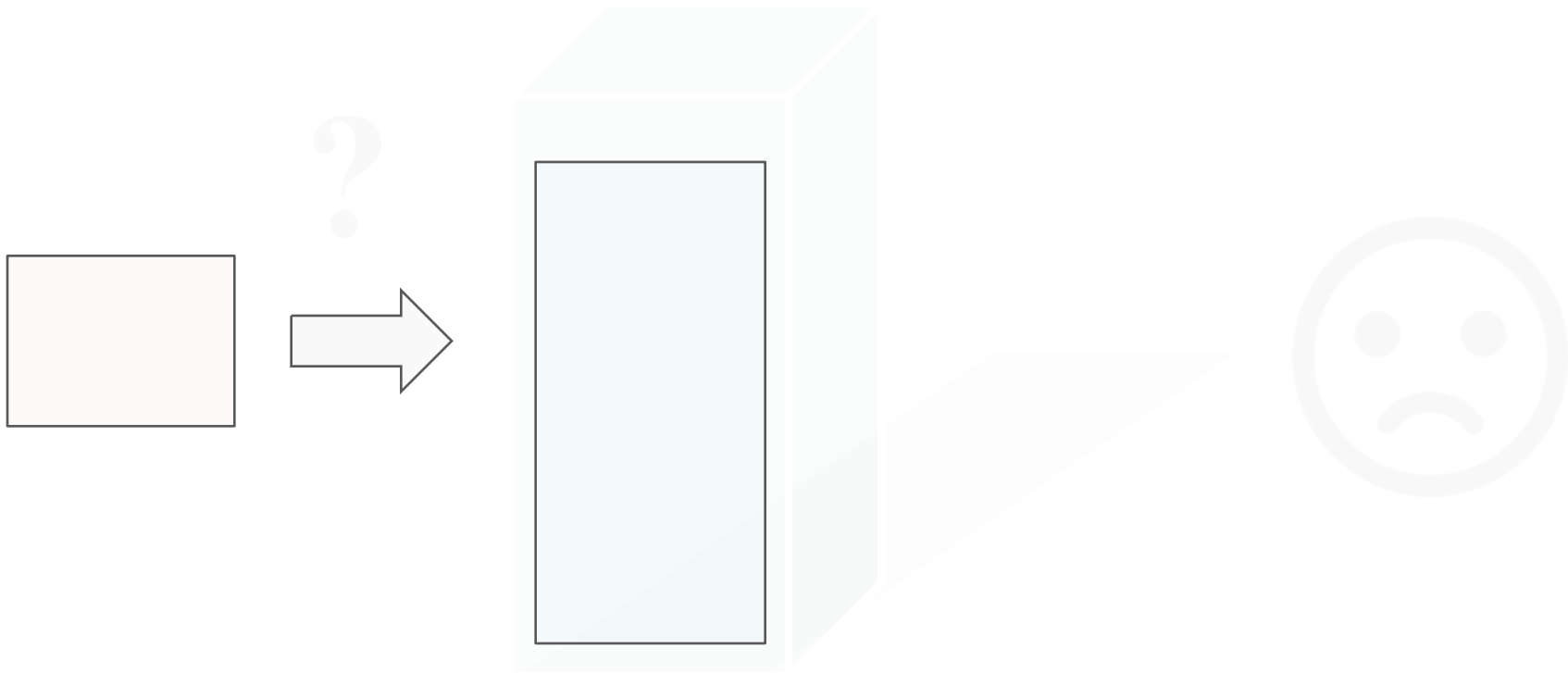




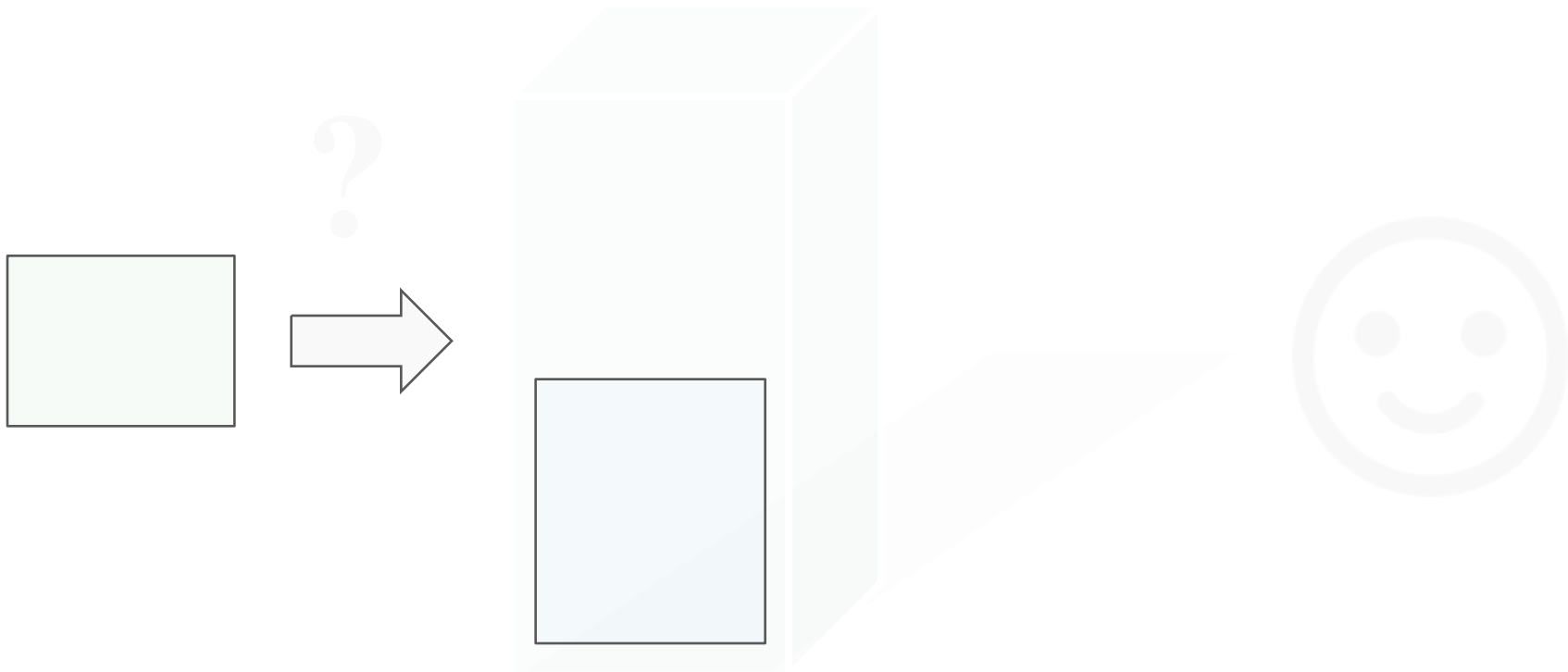












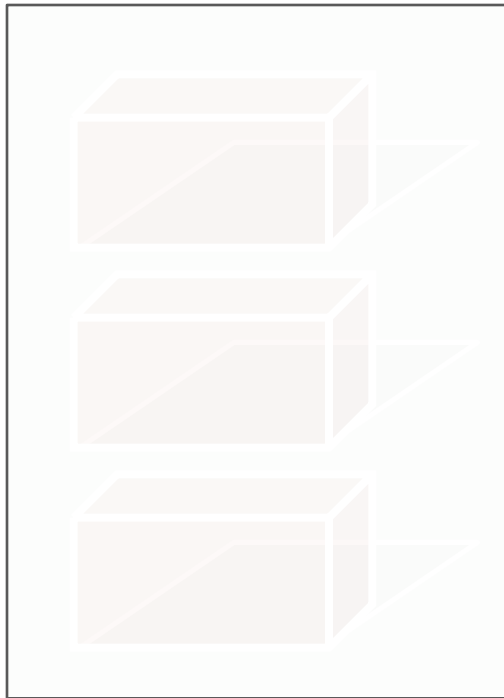


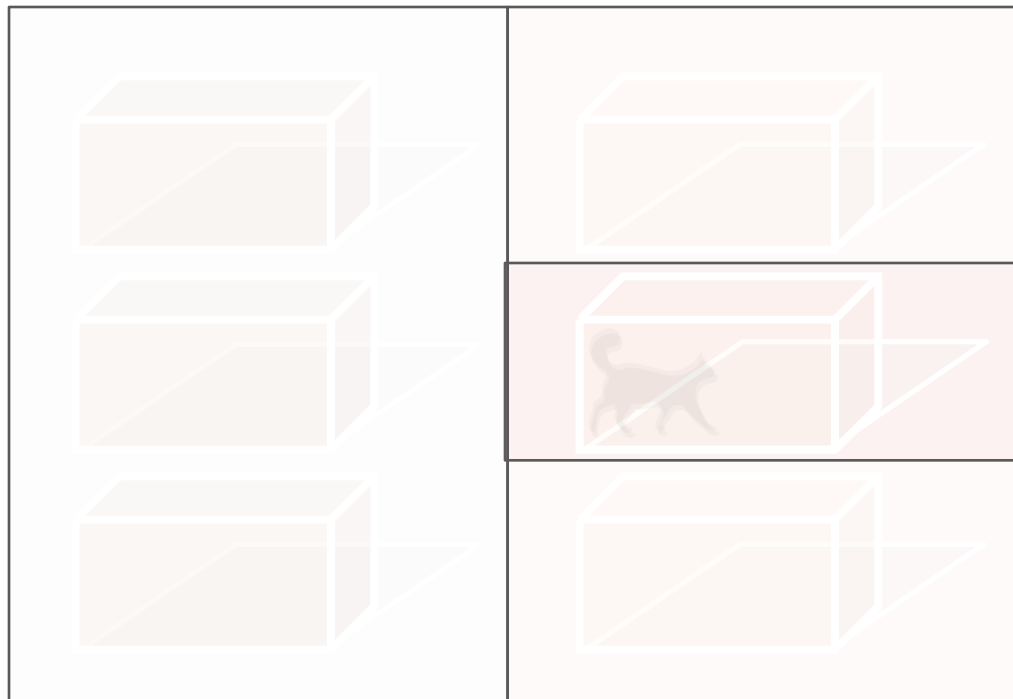


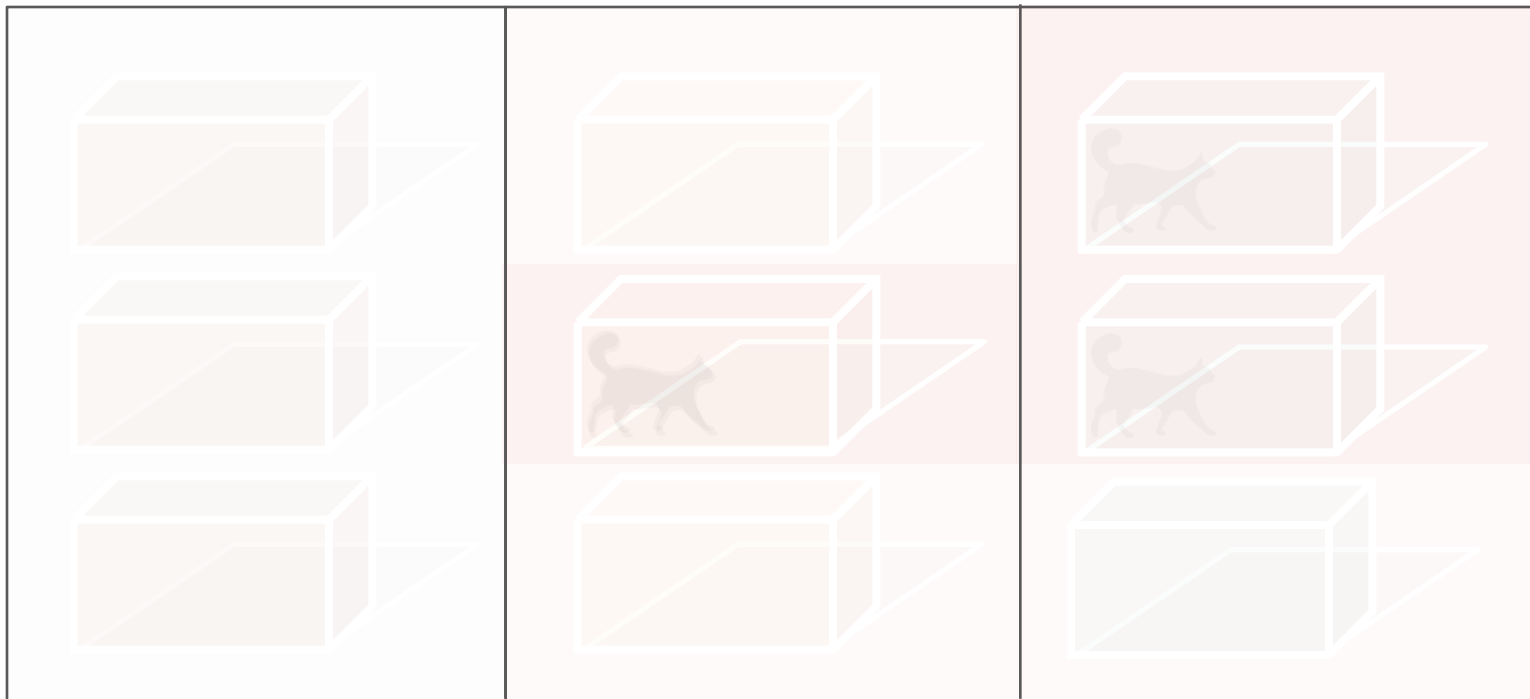


```
PodAntiAffinity: {  
  TopologyKey: "hostname",  
  LabelSelector: "type:cat"  
}
```













```
PodAntiAffinity: {  
  TopologyKey: "hostname",  
  LabelSelector: "type:cat"  
}
```



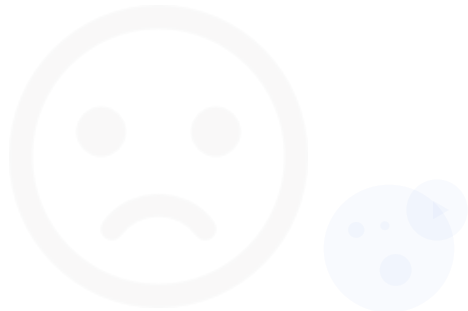




```
PodAffinity: {  
  TopologyKey: "hostname",  
  LabelSelector: "type:sapling"  
}
```







```
Taint: {  
  TaintEffect: "NoSchedule",  
  Key: "color",  
  Value: "blue"  
}
```



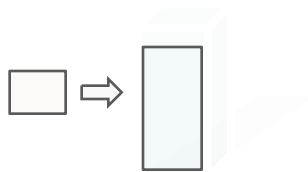
```
Toleration: {  
  Key: "color",  
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  Operator: "Equal",  
  TaintEffect: "NoSchedule"  
}
```







- Prevent overcommit
- Prevent co-scheduling
- Force co-scheduling
- Dedicated Nodes



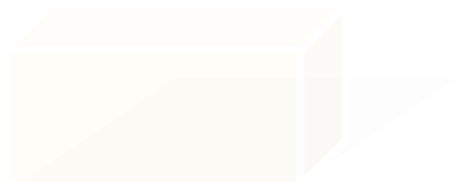


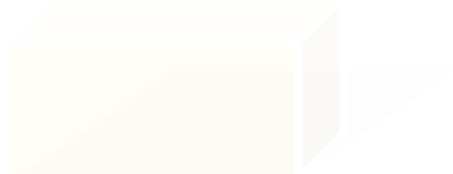












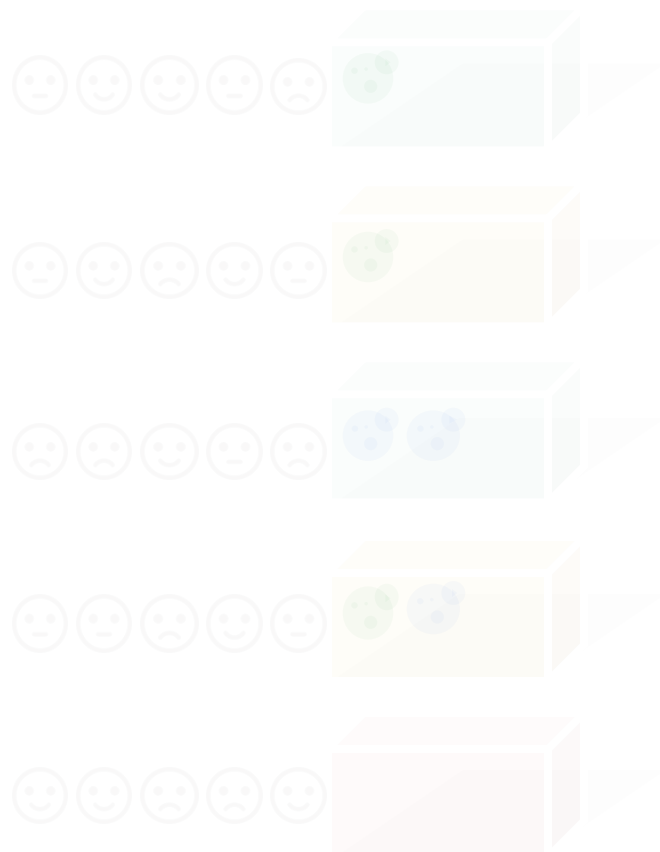




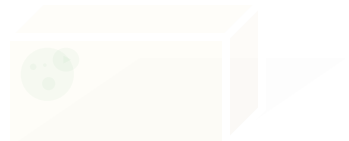


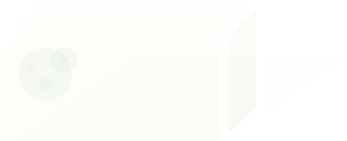






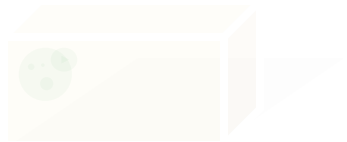




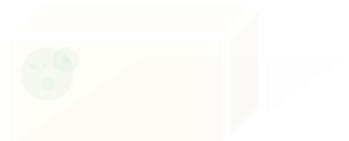


ResourceQuotaAdmission

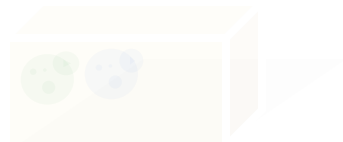
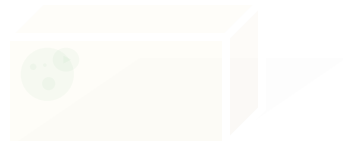




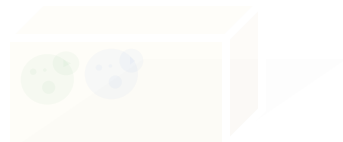








Resource Requirement  
Resource Estimation  
Quota by percentage  
Dynamic Quota



## SIG Scheduling

- Meeting every other Monday 2pm PST
- #sig-scheduling Slack channel
- [kubernetes-sig-scheduling@ mailing group](mailto:kubernetes-sig-scheduling@googlegroups.com)





Thanks