

```
NSAI(job) = MAB.select( CSP.filter(runners, job.req) )
```

### Subsymbolic Layer — MAB (UCB1)

Adaptive optimization • Performance learning • Exploration/exploitation

UCB1  
Selection

### Neural-Symbolic Interface

Action space reduction • Guided exploration • Explanation synthesis

NSAI(job)

### Symbolic Layer — CSP + Ontology

Hard constraints • Capability taxonomy • Feasibility filtering

Job  
Definition

Feasible  
Set  $F(j)$