

PlanetWars AI Pseudocode

Rando

Update():

 If there's already a fleet out:

 Do nothing

 If I have planet(s) and there are planets I don't control:

 Dest = random planet I don't control

 Src = random planet I control

 If Src has more than 10 ships:

 Send 75% of ships from Src to Dest

Min

Update():

 If there's already a fleet out:

 Do nothing

 If I have planet(s) and there are planets I don't control:

 Dest = planet I don't control with the fewest ships

 Src = random planet I control

 If Src has more than 10 ships:

 Send 75% of ships from Src to Dest

Max

Update():

 If there's already a fleet out:

 Do nothing

 If I have planet(s) and there are planets I don't control:

 Dest = planet I don't control with the most ships

 Src = random planet I control

 If Src has more than 10 ships:

 Send 75% of ships from Src to Dest

NearMin

Update():

 If there's already a fleet out:

 Do nothing

 If I have planet(s) and there are planets I don't control:

 Dest = planet I don't control with the fewest ships

 Src = ClosestToDest(planets I don't control, Dest)

```
    If Src has more than 10 ships:
        Send 75% of ships from Src to Dest
```

```
ClosestToDest(planets, Dest):
```

```
    For each planet:
```

```
        If no planet has been selected:
```

```
            Closest = planet
```

```
            Distance = planet.distanceTo(Dest)
```

```
        Else:
```

```
            newDist = planet.distanceTo(Dest)
```

```
            if newDist < Dist and no. ships on planet > no. ships on Dest:
```

```
                Closest = planet
```

```
                Dist = newDist
```

```
    Return Closest
```

NearMax

```
Update():
```

```
    If there's already a fleet out:
```

```
        Do nothing
```

```
    If I have planet(s) and there are planets I don't control:
```

```
        Dest = planet I don't control with the most ships
```

```
        Src = ClosestToDest(planets I don't control, Dest)
```

```
        If Src has more than 10 ships:
```

```
            Send 75% of ships from Src to Dest
```

```
ClosestToDest(planets, Dest):
```

```
    For each planet:
```

```
        If no planet has been selected:
```

```
            Closest = planet
```

```
            Distance = planet.distanceTo(Dest)
```

```
        Else:
```

```
            newDist = planet.distanceTo(Dest)
```

```
            if newDist < Dist and no. ships on planet > no. ships on Dest:
```

```
                Closest = planet
```

```
                Dist = newDist
```

```
    Return Closest
```