



———— - movement trajectory of prey unit

- - - - - movement trajectory of hunting robots to get to the optimal desired state of persecution.

$R_1$  - first robot(leader)

$R_2$  - second robot(helper)

$R_3$  - third robot(helper)

$R_p$  - four robot(pre)

$x$  - defined distance between units

□ □ - Optimal desired state of persecution.