















		Fuzzy	Closest	Closest pill	Closest power
	_	aggregated	ghost		pill
The F	Pac-man and / Q-learning	state			
fuzzv Q-learnina		1	Low	Low	Low
		2	Low	Low	Medium
		3	Low	Low	High
		4	Low	Medium	Low
Fuzzy description	of the state is mandatory to	5	Low	Medium	Medium
avoid combinatorial explosion of the number of		6	Low	Medium	High
		7	Low	High	Low
the states.		8	Low	High	Medium
		9	Low	High	High
The state of the game is described by three (fuzzy) variables: • minimum distance from the closest pill.		10	Medium	Low	Low
		11	Medium	Low	Medium
		12	Medium	Low	High
		13	Medium	Medium	Low
• minium distance from the closest power pill.		14	Medium	Medium	Medium
• minimum distance from a ghost.		15	Medium	Medium	High
		16	Medium	High	Low
	6 1 11 07 6	17	Medium	High	Medium
Three fuzzy classes	for each variable -> 27 fuzzy	18	Medium	High	High
states.		19	High	Low	Low
No.		20	High	Low	Medium
C + + + •		21	High	Low	High
		22	High	Medium	Low
		23	High	Medium	Medium
		24	High	Medium	High
		25	High	High	Low
A A 2012 2014	0/10	26	High	High	Medium
A.A. 2013-2014	9/18	27	High	High	High

















