Action Confusion matrix																			
action_algorithm_explain -	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
action_contest_explain -	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
action_level_change_easy -	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
action_level_change_hard -	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0		- 10 ¹
action_listen -	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0		
action_problem_recommended -	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0		
algorithm_form -	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
contest_form -	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0		
Droblem_form -	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0		
utter_cheer_up -	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0		
utter_did_that_help -	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0		
utter_explain_whatspossible -	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0		
utter_goodbye -	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0		
utter_greet -	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0		
utter_happy -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0		
utter_iamabot -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0		
utter_thank -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
	action_algorithm_explain -	action_contest_explain -	action_level_change_easy -	action_level_change_hard -	action_listen -	action_problem_recommended -	algorithm_form -	contest_form -	broblem_form -	utter_cheer_up -	utter_did_that_help -	utter_explain_whatspossible -	utter_goodbye -	utter_greet -	utter_happy -	utter_iamabot -	utter_thank -		10°