

A. Tasks and Sketches

The complete list of tasks, sketches, and symbols is given below. Tasks marked with an asterisk* are held out for the generalization experiments described in Section 4.5, but included in the multitask training experiments in Sections 4.3 and 4.4.

Goal	Sketch				
Crafting environment					
make plank	get wood	use toolshed			
make stick	get wood	use workbench			
make cloth	get grass	use factory			
make rope	get grass	use toolshed			
make bridge	get iron	get wood	use factory		
make bed*	get wood	use toolshed	get grass	use workbench	
make axe*	get wood	use workbench	get iron	use toolshed	
make shears	get wood	use workbench	get iron	use workbench	
get gold	get iron	get wood	use factory	use bridge	
get gem	get wood	use workbench	get iron	use toolshed	use axe
Maze environment					
room 1	left	left			
room 2	left	down			
room 3	right	down			
room 4	up	left			
room 5	up	right			
room 6	up	right	up		
room 7	down	right	up		
room 8	left	left	down		
room 9	right	down	down		
room 10	left	up	right		
Cliff environment					
path 0	north				
path 1	east				
path 2	south				
path 3	west				
path 4	west	south			
path 5	west	north	north		
path 6	north	east	north		
path 7	west	north			
path 8	east	south			
path 9	north	west	west		
path 10	east	north	east		
path 11	south	east			
path 12	south	west			
path 13	south	south			
path 14	south	south	west		
path 15	east	south	south		
path 16	east	east			
path 17	east	north			
path 18	north	east			
path 19	west	west			
path 20	north	north			
path 21	north	west			
path 22	west	west	south		
path 23	south	east	south		