$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Variable	Description
p_d probability distribution of the debris p_n positional distribution of where plane impacted the water p_w probability distribution of plane body on sea floor β_t The probability of locating an object assuming the object in in the given search area with a general γ_t Cost function of c_t cost of α_t Success rate of locating surface wreckage	\mathcal{J}	search grid in which the model is covering
p_n positional distribution of where plane impacted the water p_w probability distribution of plane body on sea floor The probability of locating an object assuming the object in in the given search area with a general γ_t Cost function of c_t cost of Success rate of locating surface wreckage	t	search technology implemented
p_w probability distribution of plane body on sea floor β_t The probability of locating an object assuming the object in in the given search area with a general γ_t Cost function of c_t cost of α_t Success rate of locating surface wreckage	p_d	probability distribution of the debris
The probability of locating an object assuming the object in in the given search area with a general γ_t Cost function of c_t cost of Success rate of locating surface wreckage	p_n	positional distribution of where plane impacted the water
γ_t Cost function of c_t cost of α_t Success rate of locating surface wreckage	p_w	probability distribution of plane body on sea floor
c_t cost of a_t Success rate of locating surface wreckage	β_t	The probability of locating an object assuming the object in in the given search area with a general search
$lpha_t$ Success rate of locating surface wreckage	γ_t	Cost function of
	c_t	cost of
ϵ_t Measure of search effectiveness in each cell for a general search technology	α_t	Success rate of locating surface wreckage
	ϵ_t	Measure of search effectiveness in each cell for a general search technology
d_j Whether or not debris is located in cell j (value of either 1 or 0)	d_{j}	Whether or not debris is located in cell j (value of either 1 or 0)