Notation	Meaning
0	a set of uncertain objects
I, E	Indoor space, Euclidean space
$ p,q _I$	Indoor distance between p and q
$ p,q _E$	Euclidean distance between p and q
$ p,q _K$	Skeleton distance between p and q
a.l or $a.u$	lower or upper bound of the value a
$\uparrow A$	the link/pointer to the entity A
$[R_i^-, R_i^+]$	the range for R on dimension i
$len(R_i)$	$ R_{i}^{+} - R_{i}^{-} _{E}$
D(p)	doors of partition p
P(d)	partitions connected to door d
P(q)	the partition containing point q
P(O)	partitions overlapping with object O
O	the number of instances belonging to object O
$a \stackrel{*d}{\leadsto} b$	a path from a to b with d as the last door
$a \stackrel{*}{\rightarrow} b$	the shortest path from a to b
$\odot(c,r)$	a circle centered at c with radius r