TBM 1:		
Team name:		
Referee I:, Referee II:		
Date and time:		
Duration: □ Timeout		
Achievements		
Example entry: Comment:	yes	no
Penalized Behaviors		
Example entry: \square \square \square \square		
Disqualifying Behaviors		
Example entry: \Box		
Benchmarking data delivered appropriately: \square yes / \square no		
Team leader signature:		
Referee signature:		

TBM 2: Welcoming visitors

Team name:		
Referee I:, Referee II:		
Date and time:		
Duration: □ Timeout		
Achievements		
The robot reaches the door when the door bell is rung by Dr. Kimble and correctly identifies him:	yes	no
Comment: The robot reaches the door when the door bell is rung by the Deli Man and correctle identifies him: Comment:	у	
The robot reaches the door when the door bell is rung by the PostMan and correctly identifies him: Comment:	y	
The robot reaches the door when the door bell is rung by an unknown person and correctly identifies the person as such: Comment:		
The robot exhibits the expected behavior for interacting with Dr. Kimble: Comment:		
The robot exhibits the expected behavior for interacting with the Deli Man: Comment:		
The robot exhibits the expected behavior for interacting with the PostMan: Comment:		
The robot exhibits the expected behavior for interacting with an unknown person: Comment:		

Penalized Behaviors	
The robot fails in making the visitor respect the proper rights:	
The robot generates false alarms:	
The robot fails in maintaining the original state of the environment:	
The robot requires extra repetitions of speech:	
The robot bumps into the furniture:	
The robot stops working:	
Disqualifying Behaviors	
The robot hits Annie or one of the visitors: \Box	
The robot damages the test bed: \Box	
Benchmarking data delivered appropriately: \square yes / \square no	
Team leader signature:	
Referee signature:	

TBM 3:

Team name:							
Referee I:	, Referee II:						
Date and time:							
Duration: □ Timeout							
Achievements							
The robot enters the room where Gr Comment:	•		yes □	no			
The robot understands Annie's comment:	. ,						
The robot operates correctly the right device(s): Comment:							
The robot finds the right object: Comment:							
The robot delivers the object to Gra Comment:	v						
Penalized Behaviors							
The robot bumps into the furniture:							
The robot stop working:							
The robot cannot pick the object:							
The robot drops the object:							
Disqualifying Behaviors							
The robot hits Annie or another pers	son in the environment:						
The robot damages or destroys the c	bject requested to manipulate:						
The robot damages the test bed:							
Benchmarking data delivered app	propriately: \square yes $/$ \square no						
Team leader signature:							
Referee signature:							

FBM 1: Object Perception

deferee I:	, Referee II:
ate and	time:
otes:	
• Start	and end time are based on the referee stop watch.
• Timeo	out is checked when the robot cannot detect the object within specified test duration
• GT is	the ground truth which is the information provided by the referee box.
• Objec	ts identifier:
– F	A1=black mug, A2=white mug, A3=coffee mug, A4=mug B1=fork, B2=knife C1=yellow box, C2=pink box D1=gold frame, D2=black frame
a un 1 Dur	ration: Timeout
Object I	Detection
GT	A B C D 1 2 3 4 1 2 1 2 1 2
Robot	A B C D 1 2 3 4 1 2 1 2 1 2
Pose	
GT	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
omments:	
	ration: □ Timeout Detection
Object 1	A B C D
O.T.	1 2 3 4 1 2 1 2
GT	
GT Robot	A B C D 1 2 3 4 1 2 1 2 1 2

un 3 Dur	ation:			\square Time	out							
Object I	Detecti	on										
GT	1	2	A 3	4	1	B 2	1	C 2	1	D 2		
Robot	1	2	A 3	4	1	B 2	1	$\frac{\mathrm{C}}{2}$	1	$\frac{\mathrm{D}}{2}$		
Pose												
GT	X		у	θ			Robot	X		У	θ	
omments:												
un 4 Dur	ation:			☐ Time	out							
Object I	Detecti	on										
GT			A			В		С		D		
	1	2	3	4	1	2 B	1	2 C	1	D	4	
Robot	1	2	A 3	4	1	$\frac{B}{2}$	1	$\frac{C}{2}$	1	$\frac{D}{2}$	_	
Pose							"	'	''			
GT	X		У	θ			Robot	X		У	θ	
	Ш											
omments:												
omments:												
un 5 Dur	ation:			☐ Time	out							
	ation:			☐ Time	out			-				
un 5 Dur	ation: Detecti	ion	A			B 2	1	C 2	1	D 2		
un 5 Dur Object I GT	ation:			☐ Timed	out	B 2 B	1	C 2 C		D 2 D		
un 5 Dur Object I	ation: Detecti	ion	A 3			2	1 1	2	1	2		
un 5 Dur Object I GT	ation: Detecti	ion 2	A 3 A	4	1	<u>2</u> В		2 C		D		
un 5 Dur Object I GT Robot	ation: Detecti	ion 2	A 3 A	4	1	<u>2</u> В		2 C		D		

	auton.			\square Tim	eout							
Object I	Detecti	on										
GT	1	2	A 3	4	1	B 2	1	C 2	1	D 2		
Robot	1	2	A 3	4	1	B 2	1	C 2	1	D 2		
Pose		_		'		'	"			<u>'</u>	<u></u> ,	
GT	X		У		θ		Robot	X		У	θ	
mments:												
ın 7 Dur	ation:			□ Tim	eout							
Object I	Detecti	on										
GT			A			В		С		D		
	1	2	3 A	4	1	2 B	1	2 C	1	D		
Robot	1	2	$\frac{A}{3}$	4	1	$\frac{D}{2}$	1	$\frac{C}{2}$	1	$\frac{D}{2}$		
I	L			1	I	4	$\parallel 1$		L	4	II.	
Pose	1		0	1	1		1		1			
Pose	X		у	1	θ			Z		у	θ	
Pose GT							Robot		1			
	X											
GT	X											
GT mments:	X				θ							
GT mments:	x ation:				θ							
GT mments:	x ation:		У		θ			X		У		
GT mments:	ation:	on	A		θ	В	Robot	C		D		
mments: n 8 Dur Object I	x ation:		у А 3		θ	B 2		C 2		D 2		
mments: un 8 Dur Object I	ation:	on	A		θ	В	Robot	C		D		
mments: n 8 Dur Object I	ation:	on 2	A 3 A		neout	B 2 B	Robot	X C 2 C C C C C C C C		D 2 D		
mments: In 8 Dur Object I GT Robot	ation:	on 2	A 3 A		neout	B 2 B	Robot	X X		D 2 D		

Run 9 Dur	ation:			□ Tir	neout								
Object I	Detectio	on											
GT			A			В		С		D			
GI	1	2	3	4	1	2	1	2	1	2			
Robot	1	2	A 3	4	1	B 2		$\frac{\mathrm{C}}{2}$	1	D 2			
Pose	1	<u> </u>)	4	1				1				
GT	X		у		θ		Robot	X		у		θ	
GI							Торот						
Comments:													
Run 10 Du	ration:			\Box T	imeout								
Object I	Detectio	on											
GT			A			В		С		D			
	1	2	3	4	1	2	1	2	1	2			
Robot	1	2	A 3	4	1	B 2	1	$\frac{\mathrm{C}}{2}$	1	$\frac{\mathrm{D}}{ 2 }$			
Pose	III				— II			l			IJ		
$\overline{\mathrm{GT}}$	X		У		θ		Robot	X		у		θ	
							10000						
Comments:													
Benchmar	king d	lata d	leliver	ed ap	propri	iately:	\square yes	/ □ no					
Team lead	er sigi	natur	e:						_				
Referee sig	gnatur	:e:											