

Algorithm Seq.	APF	OPF	JPF	JLM
Jog(S_1 in C_2) (Joint Loc.)	38.48	78.39	34.55	41.24
Jog(S_1 in C_2) (Joint Angle)	9.32	12.54	8.19	12.11
Jog (S_2 in C_2) (Joint Loc.)	43.04	35.05	31.01	58.58
Jog (S_2 in C_2) (Joint Angle)	11.07	9.50	7.25	9.06
Jog (S_3 in C_2)(Joint Loc.)	78.18	75.41	38.74	62.57
Jog (S_3 in C_2)(Joint Angle)	11.03	11.26	9.06	11.55
Box (S_2 in C_2)(Joint Loc.)	67.4	34.73	43.58	27.65
Box (S_2 in C_2)(Joint Angle)	18.18	12.55	14.08	8.39
Box (S_1 in C_2)(Joint Loc.)	43.56	33.27	25.19	23.12
Box (S_1 in C_2)(Joint Angle)	13.22	11.70	10.05	7.05
Box (S_3 in C_2)(Joint Loc.)	49.61	68.6	37.37	55.15
Box (S_3 in C_2)(Joint Angle)	15.41	23.75	12.11	13.02
Walk (S_1 in C_2)(Joint Loc.)	26.43	30.42	25.01	26.64
Walk (S_1 in C_2)(Joint Angle)	7.61	7.23	5.04	4.10
Walk (S_2 in C_2)(Joint Loc.)	60.40	37.04	34.61	35.06
Walk (S_2 in C_2)(Joint Angle)	9.71	9.06	6.01	6.74
Walk (S_3 in C_2)(Joint Loc.)	54.09	63.09	27.61	64.25
Walk (S_3 in C_2)(Joint Angle)	9.52	9.32	4.60	7.49
Jog (S_2 in C_3) (Joint Loc.)	51.43	40.12	38.91	54.33
Jog (S_2 in C_3) (Joint Angle)	11.49	12.57	10.5	13.28