

Comments



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1 Hyperperiod      0
2 No_tasks         1
3 No_processors    3 → No of processors
4 # Task 1 starts
5 t_id            0
6 t_rtime         0
7 t_period        0
8 t_dline         0
9 t_nst           6
10 st0            1 4 1 → Job 1 on 3 processors in this example
11 st1            10 1 10
12 st2            10 1 10
13 st8            5 5 5
14 st9            4 4 4
15 st3            1 5 1
16 links_node_0    0 1 1 → Link of Source node 0 to destination node 1 with cost 1
17 links_node_0    0 2 7
18 links_node_9    0 3 5
19 links_node_9    0 4 5
20 links_node_1    1 5 7
21 links_node_2    2 5 2
22 links_node_12   3 5 5
23 links_node_13   4 5 5
24 link_end        -1
25 # Provide energies per processor idle and busy
26 E_P0            0.6 3 → Preprocessor 0 with Idle energy (0.6) and busy energy (3) at highest voltage/frequency
27 E_P1            0.1 1
28 E_P2            0.4 3
29 # Provide Energy of data transfer from processor to processor idle and busy
30 E_PP            0 1 0.6 3 → Communication Energy consumption from Processor 0 to Processor 1, idle(0.6) and busy (3)
31 E_PP            0 2 0.6 3
32 E_PP            1 2 0.6 3
33 Energy-End      -1
34 # Here we give different voltage levels for every processor with % decrease in energy and % increase in execution cost
35 E_T_P0          10 10 → A Voltage level for processor 0 with 10% decrease in busy energy and 10% increase in execution cost
36 E_T_P0          30 10
37 P0_End          -1
38 E_T_P1          5 7
39 E_T_P1          15 30
40 P1_End          -1
41 P2_End          -1 → No Voltage level for processor 2

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