```
?tasks??
???makespan?
???major___
 HEFTM-BLHEFTM-BLCHEFTM-MM
  ??
                       \overset{\mathbf{i}}{G} = (V, E)Ve = (u, v) \in Eu \in Vv \in Vc_{u,v}uvw_uu \in Vm_uu \Pi_uu \in Vparentsu \Pi_u = \{v \in V : (v, u) \in E\}sourceu \in Vc_{u,v}uvw_uu \in Vm_uu \Pi_uu \in Vparentsu \Pi_u = \{v \in V : (v, u) \in E\}sourceu \in Vc_{u,v}uvw_uu \in Vm_uu \Pi_uu \in Vparentsu \Pi_u = \{v \in V : (v, u) \in E\}sourceu \in Vc_{u,v}uvw_uu \in Vm_uu \Pi_uu \in Vparentsu \Pi_u = \{v \in V : (v, u) \in E\}sourceu \in Vc_{u,v}uvw_uu \in Vm_uu \Pi_uu \in Vparentsu \Pi_u = \{v \in V : (v, u) \in E\}sourceu \in Vc_{u,v}uvw_uu \in Vm_uu \Pi_uu \in Vparentsu \Pi_u = \{v \in V : (v, u) \in E\}sourceu \in Vc_{u,v}uvw_uu \in Vm_uu \Pi_uu \in Vparentsu \Pi_u = \{v \in V : (v, u) \in E\}sourceu \in Vc_{u,v}uvw_uu \in Vm_uu \Pi_uu \in Vparentsu \Pi_u = \{v \in V : (v, u) \in E\}sourceu \in Vc_{u,v}uvw_uu \in Vm_uu \Pi_uu \in Vparentsu \Pi_u = \{v \in V : (v, u) \in E\}sourceu \in Vc_{u,v}uvw_uu \in Vm_uu \Pi_uu \in Vparentsu \Pi_u = \{v \in V : (v, u) \in E\}sourceu \in Vc_{u,v}uvw_uu \in Vm_uu \cap Vuvw_uu \in Vm_uu \cap Vuvw_uu \in Vm_uu \cap Vuvw_uu \in Vuvw_uu \in
                      \begin{array}{l} rt_{j}rt_{j,j'}j(j,j')0availM_{j}availC_{j}PD_{j}pending\ dataM_{j}p_{j}c_{u,v}\\ \text{MEMDAG?} \end{array}
                      Gkinvalid
 0
                       vp_iST(v,p_i)p_irt_iu \notin T(p_i)
                      p_j FT(v, p_j) = st_v + \frac{w_v}{s_j}
                       vFT(v, p_j)vp_j
                       Assignment to processor. rt_{j}juvj'rt_{j',j}c(u,v)/\beta
 0
  MEMDAG?
   Tentative assignment of task v on p_j.
 uvp_jc_{u,v}p_jc_{u,v} \in PD_j + \infty
 p_i
                     \begin{array}{l} T(p_j)p_jp_jvm_vResp_jRes < 0vResPD_jRes \\ PD_j + \infty \end{array}
 vp_jST(v,p_j)p_jrt_ju \notin T(p_j)
 p_j FT(v, p_j) = ST(v, p_j) + \frac{w_v}{s_j}
Assignment\ of\ task\ v. vFT(v,p_j)vp_j PD_j availM_j vrt_{j',j}j'uc(u,v)/\beta p_javailM_javailM_j ??? vResResm_vc_{u,v}uc_{v,w}wavailM_jM_jResResResavailM_javailMC_j w_v
                     \begin{array}{c} v_v \\ \gamma \\ ? \\ ? \\ ? \\ \end{aligned} ?https://zenodo.org/records/13919214https://zenodo.org/records/13919302
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