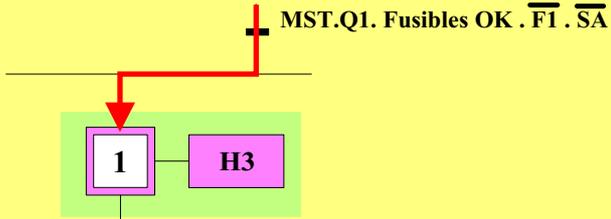
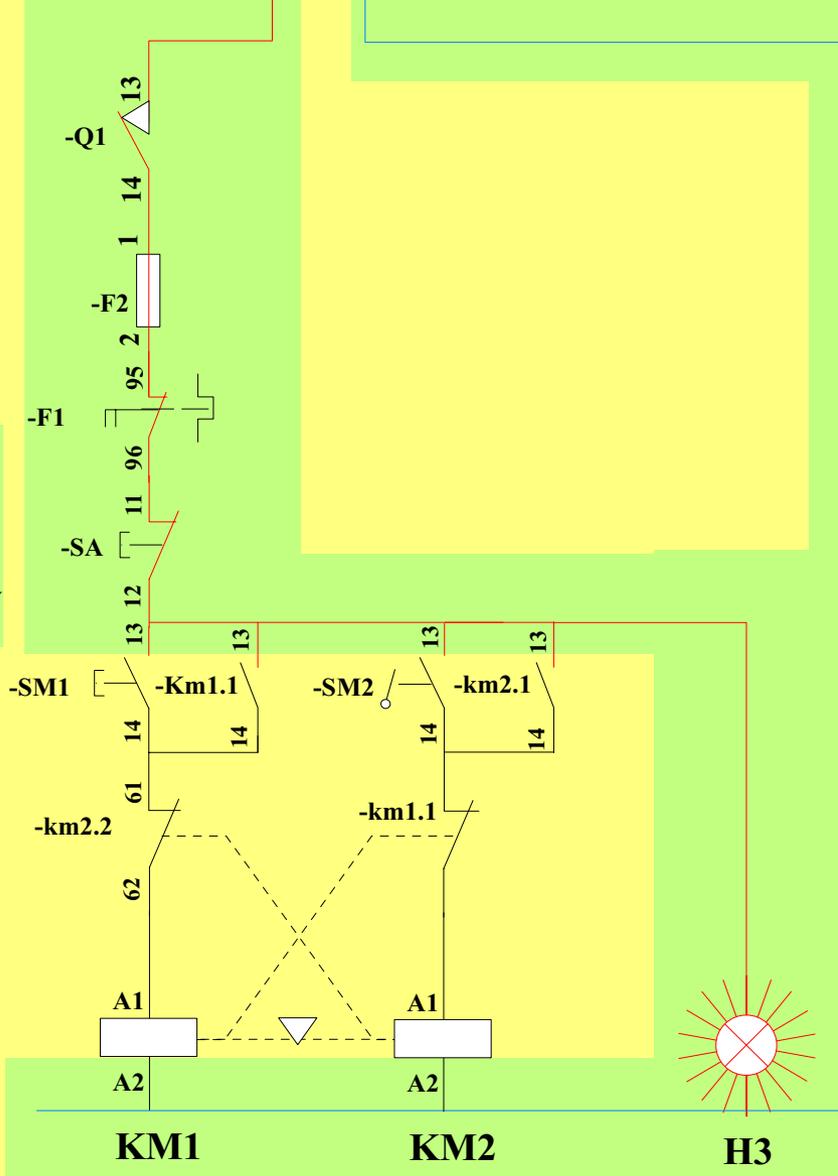


Graficet hierararchise

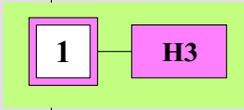


Les conditions d'initialisation étant remplies le SAP se trouve à l'état initial, c'est à dire la machine prête à démarrer.



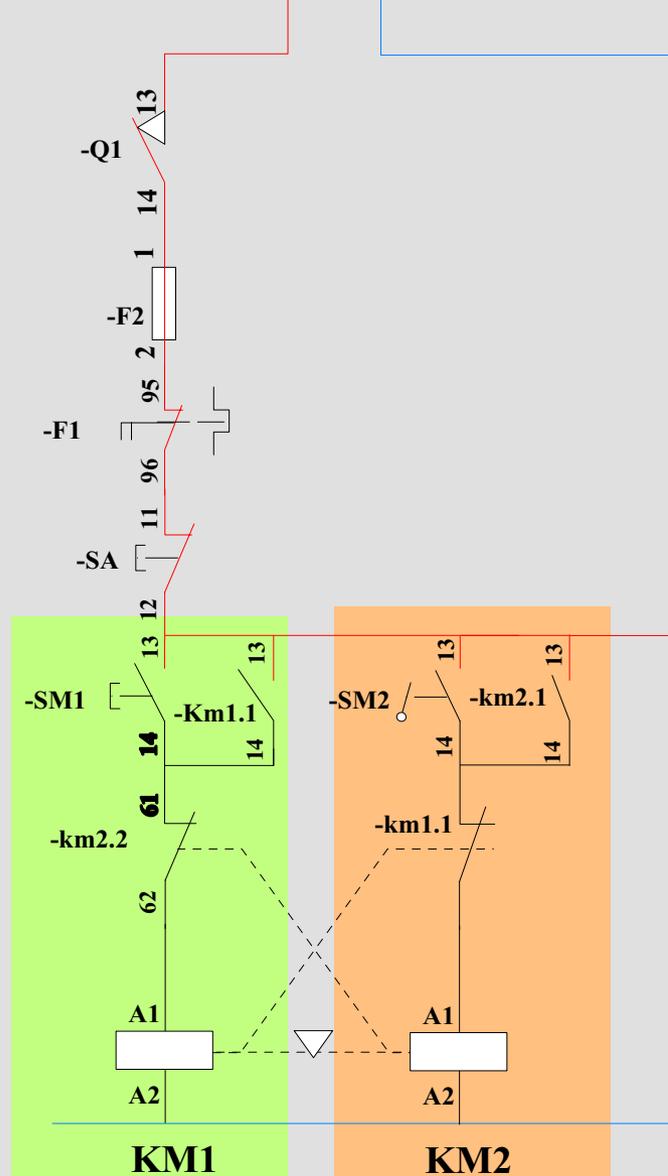
"A"

MST . Q1. Fusibles OK . F1 . SA



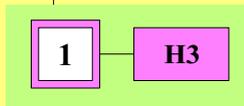
Rotation dans le sens horaire

Rotation dans le sens anti-horaire



"A"

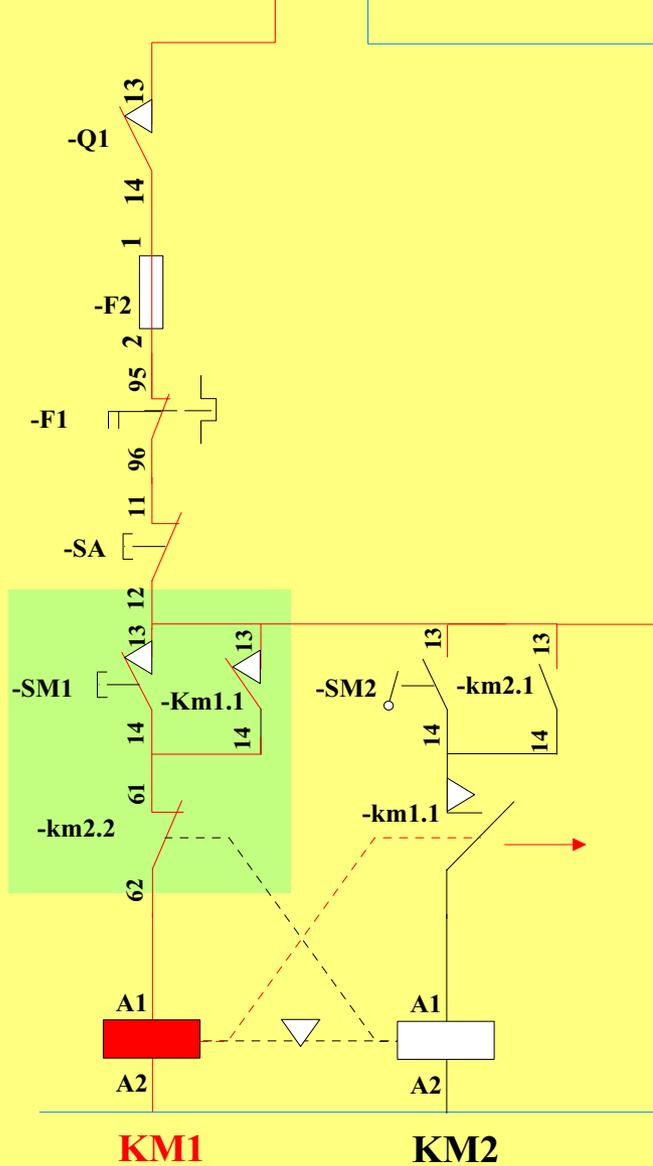
MST . Q1. Fusibles OK . F1 . SA

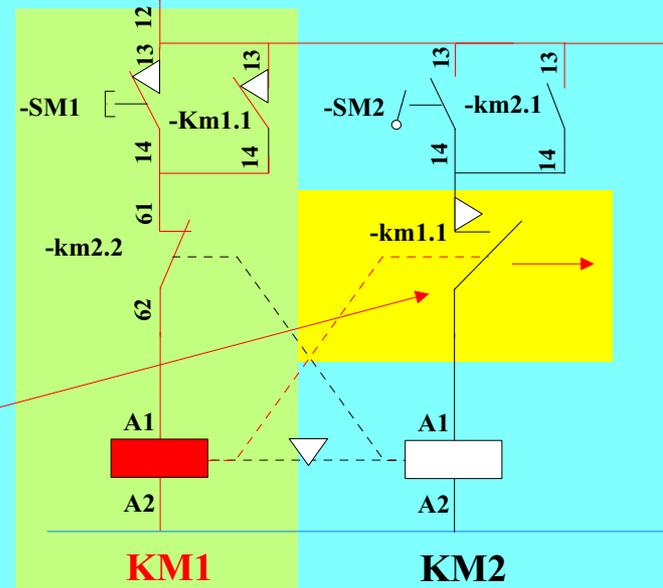
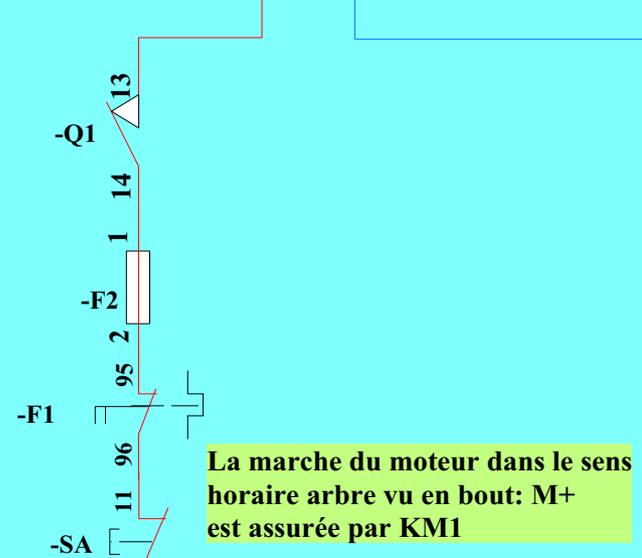
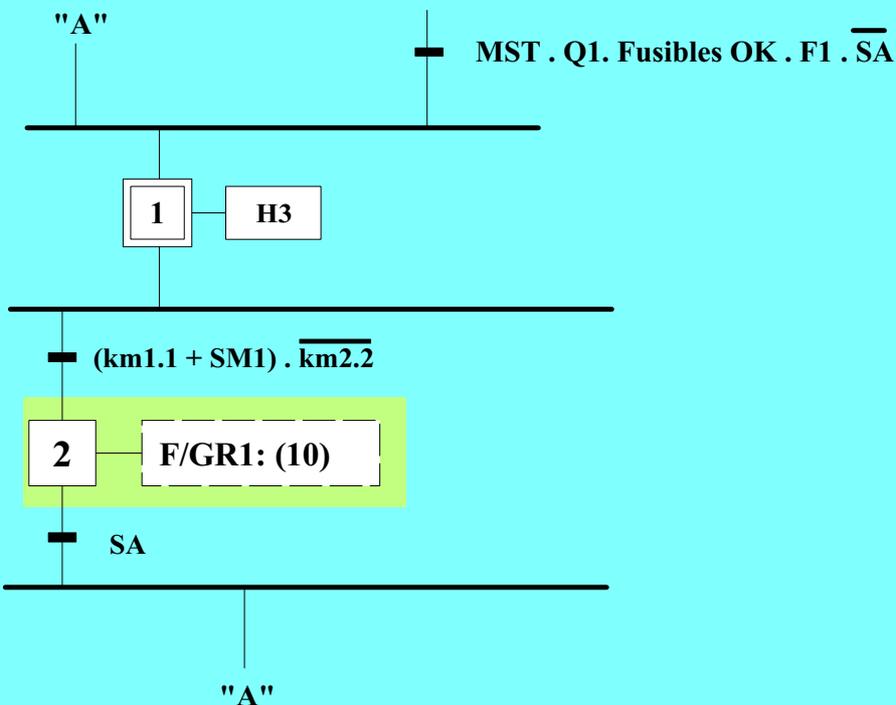


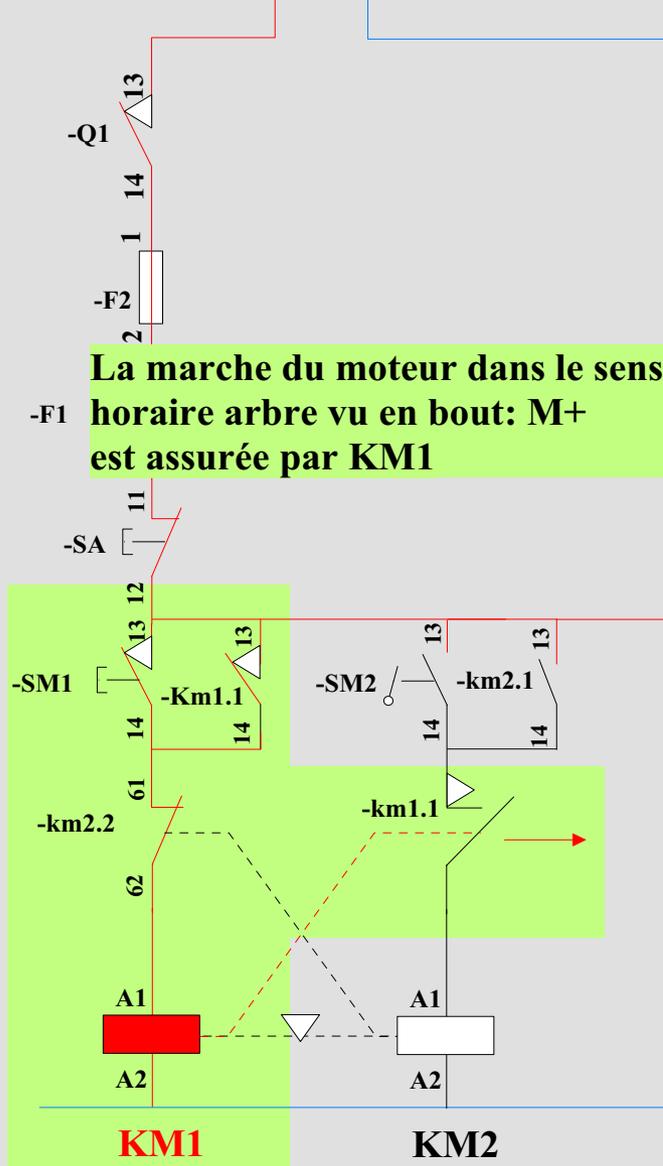
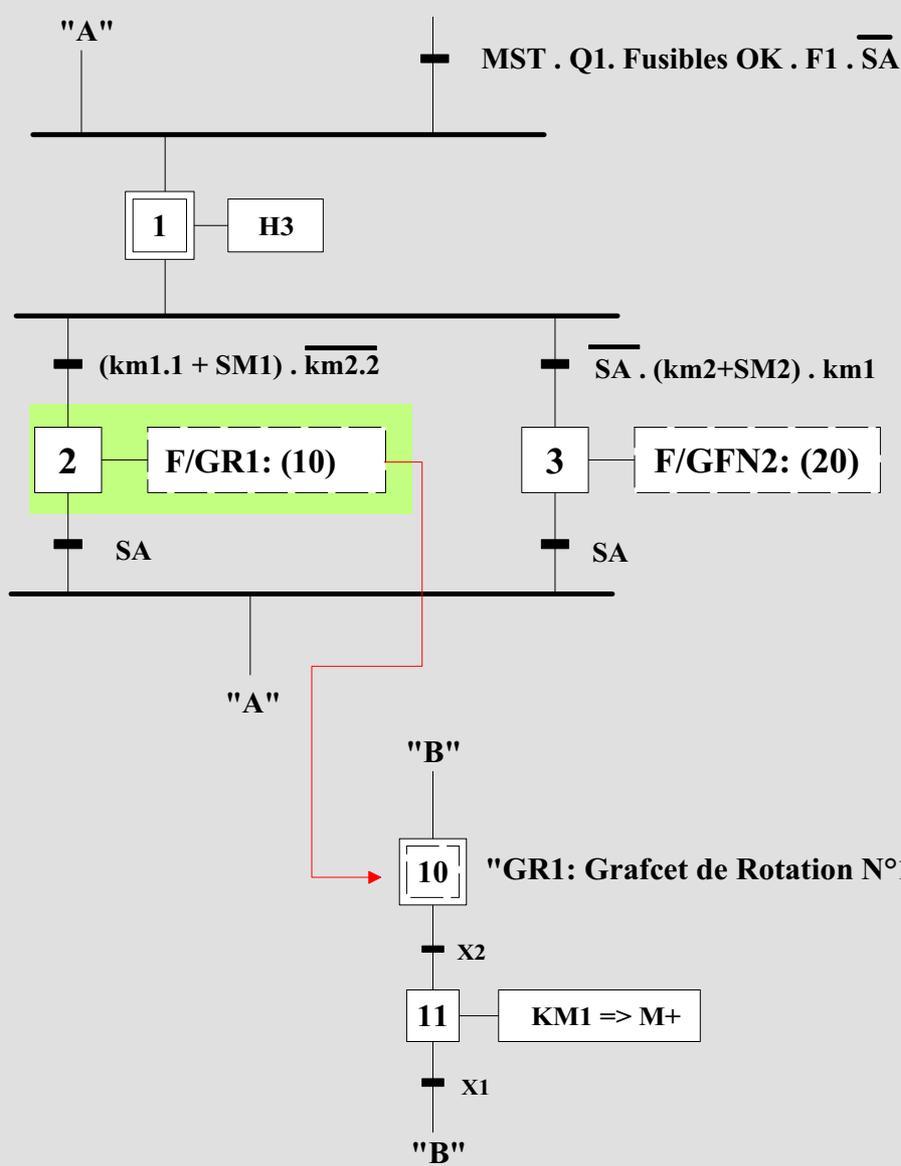
(km1.1 + SM1) . km2.2

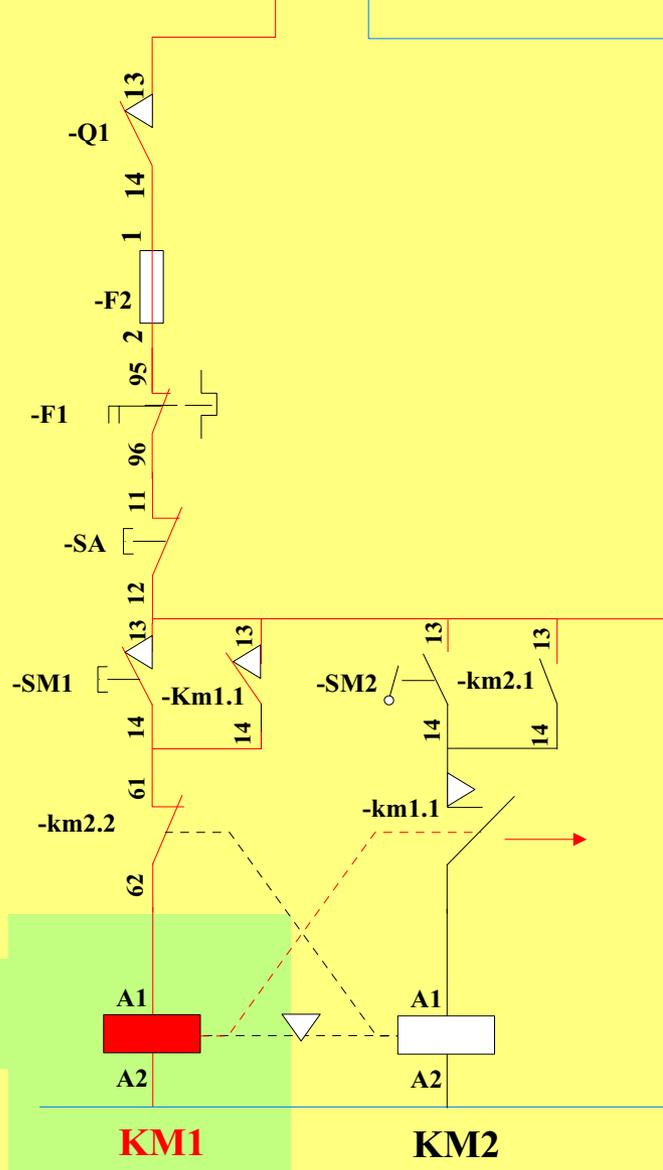
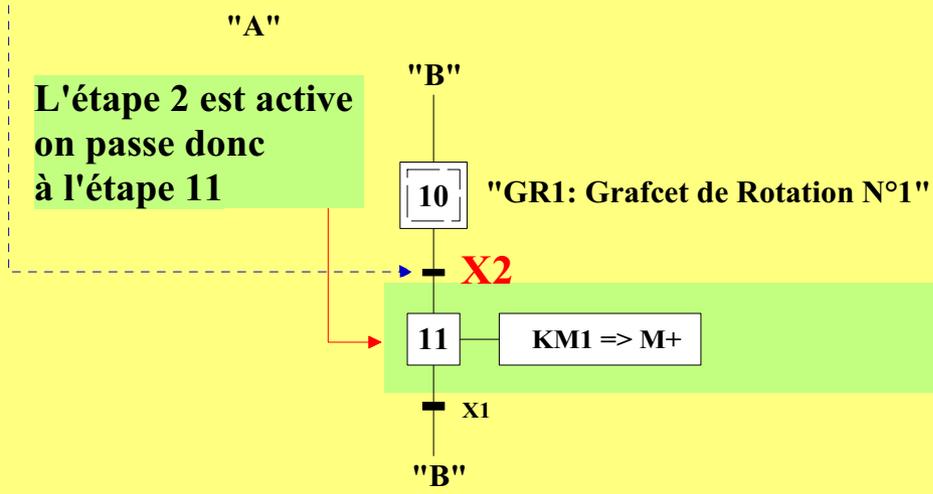
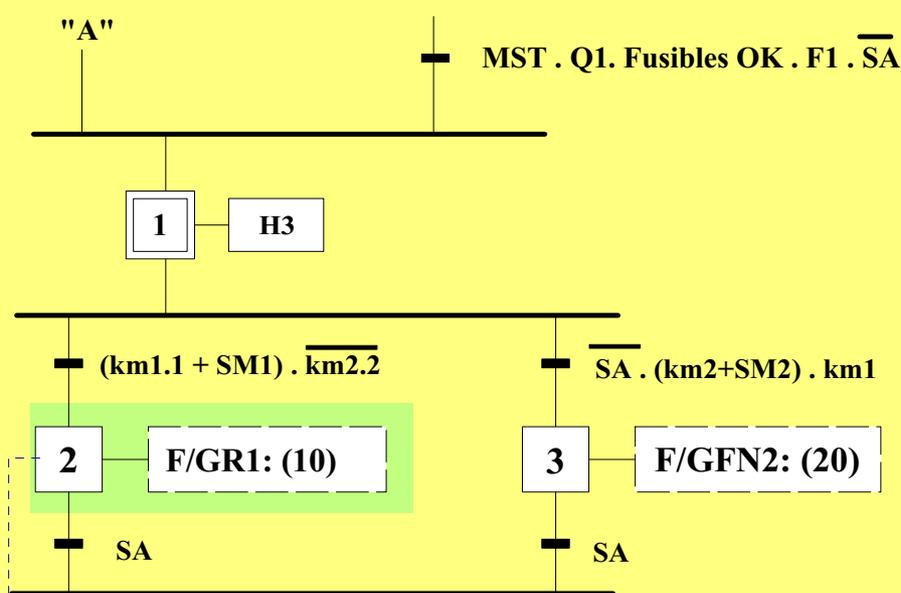


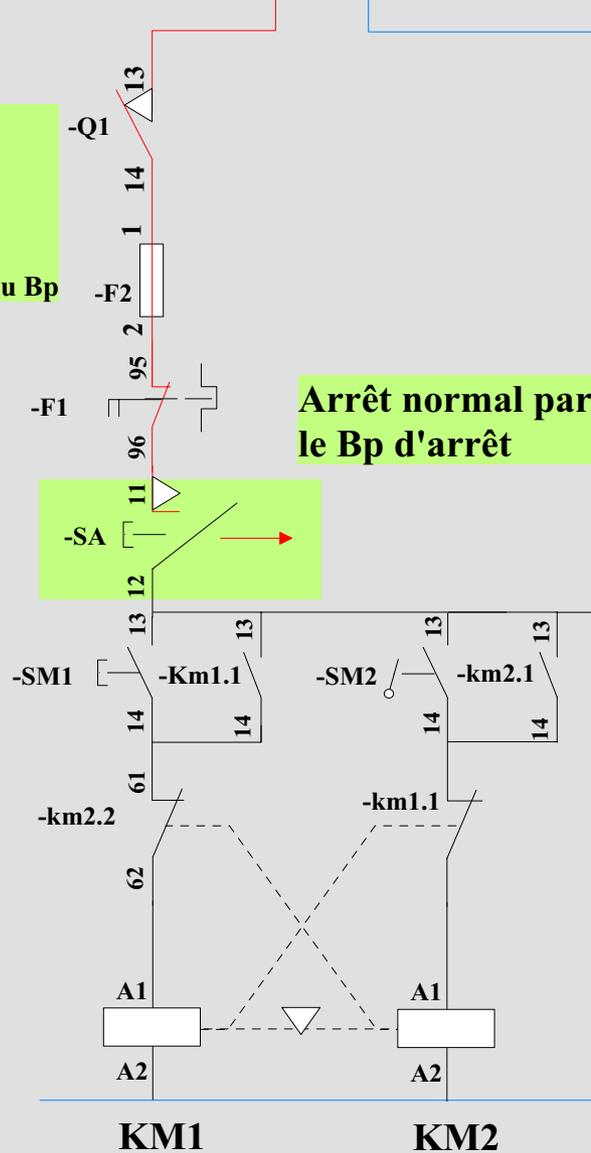
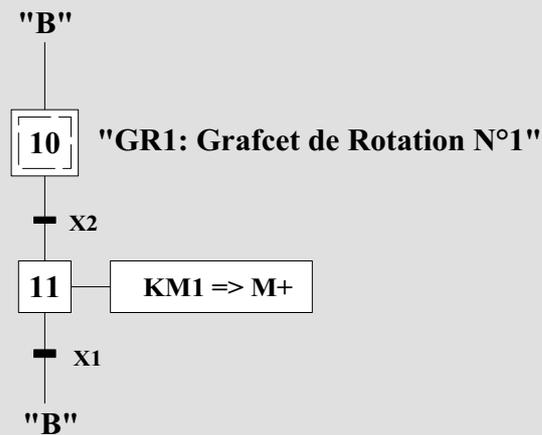
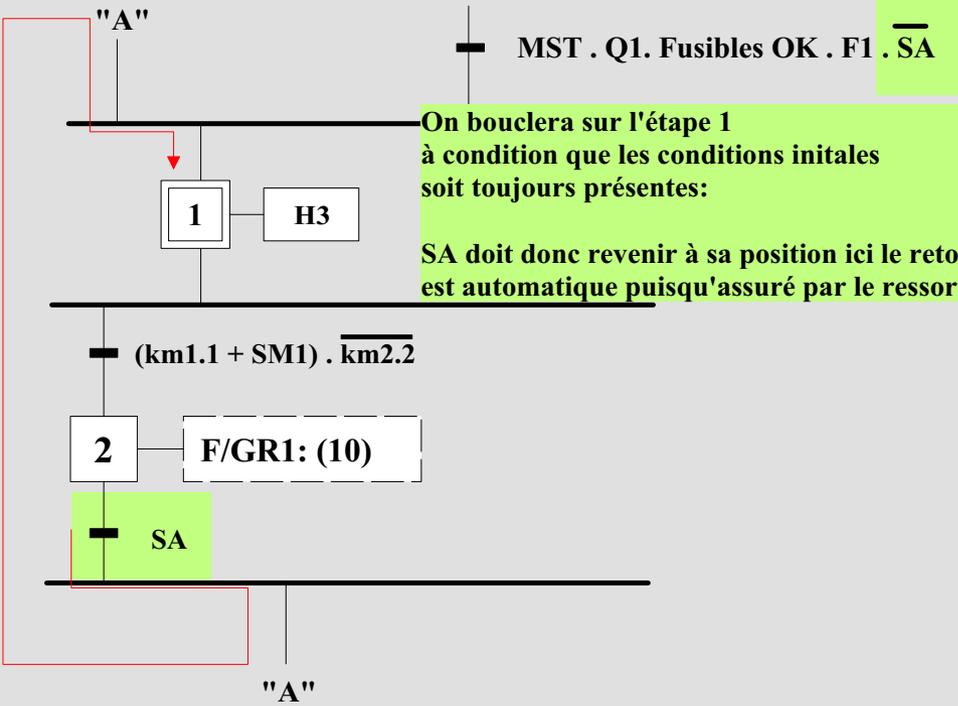
La marche du moteur dans le sens horaire arbre vu en bout: M+ est assurée par KM1

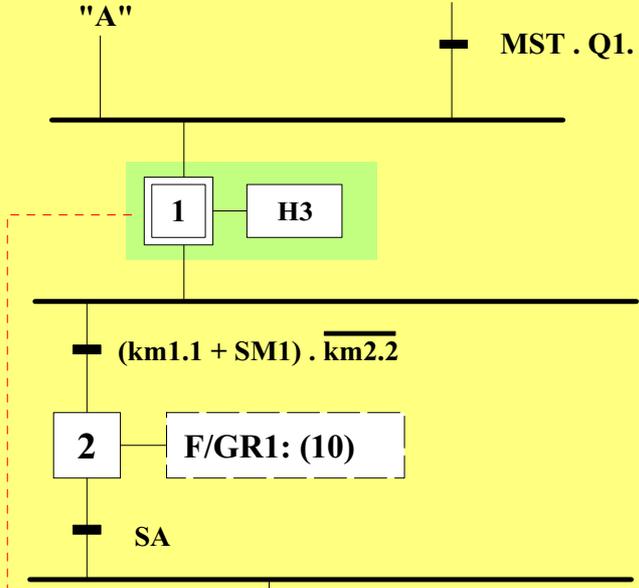




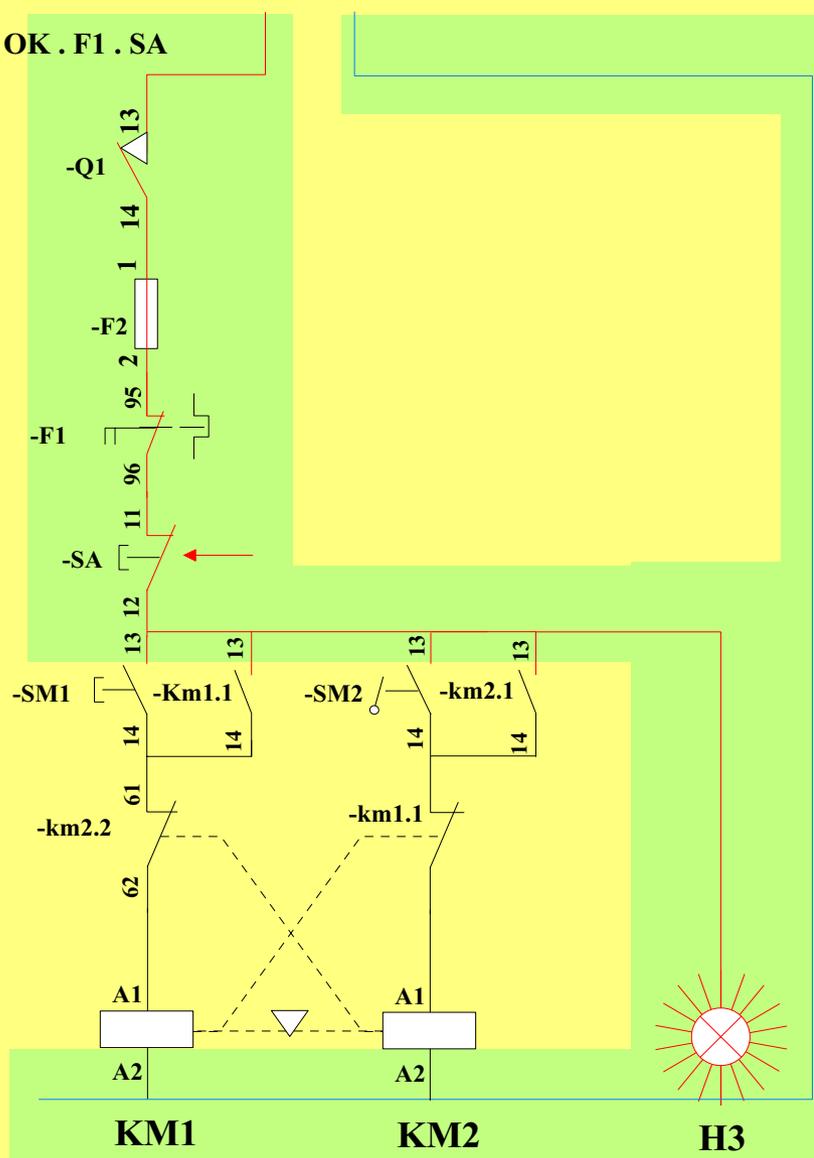
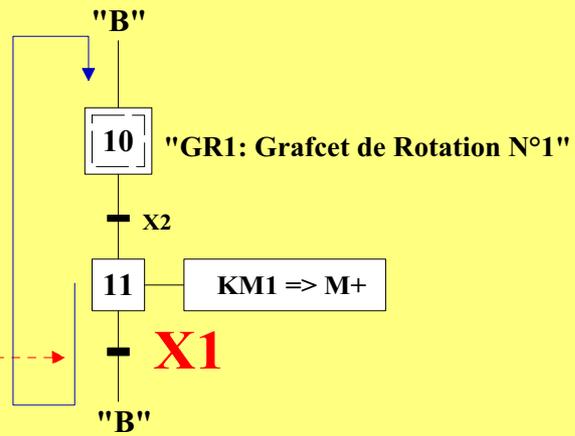




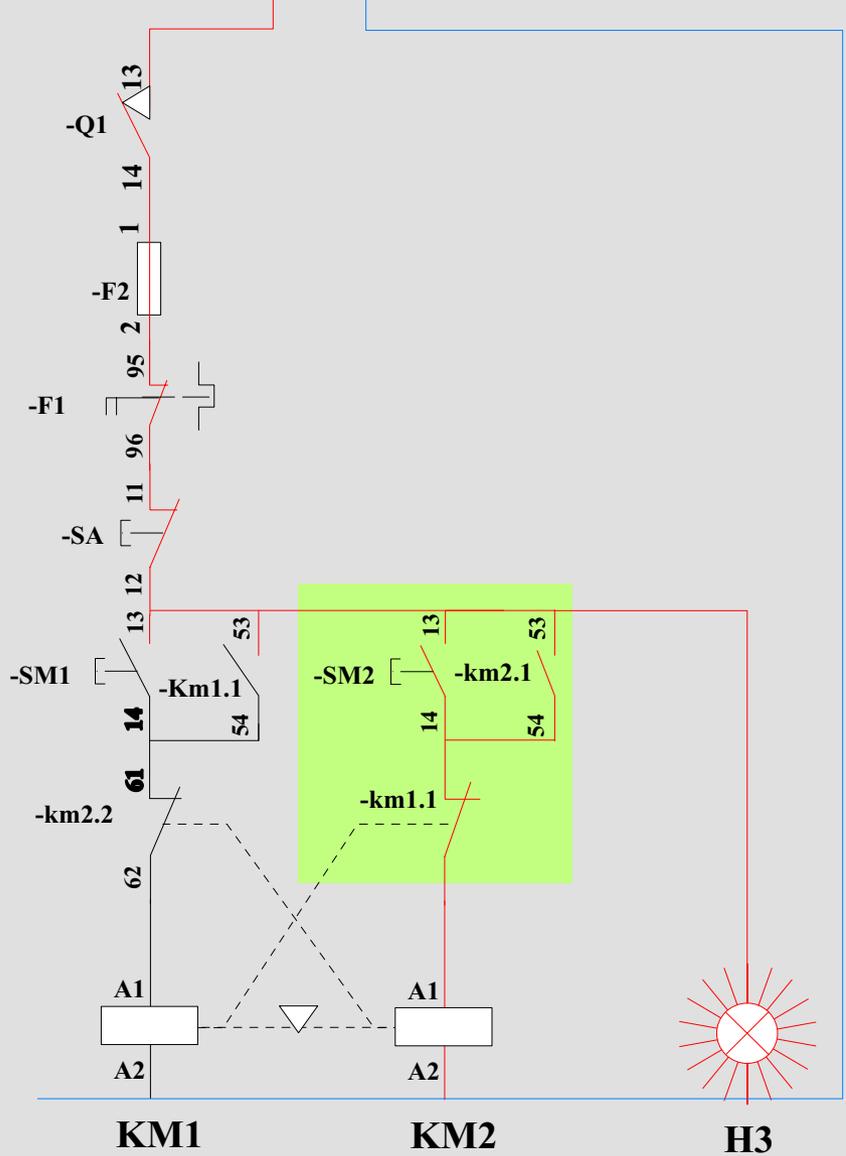
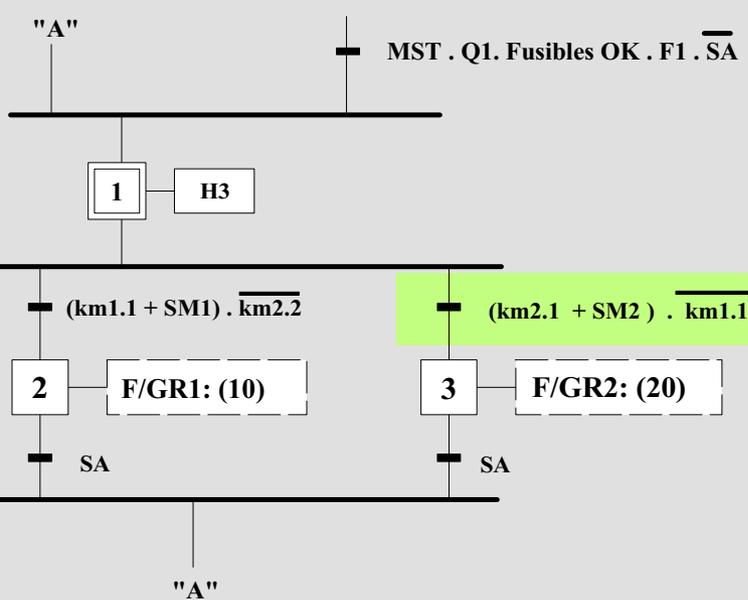


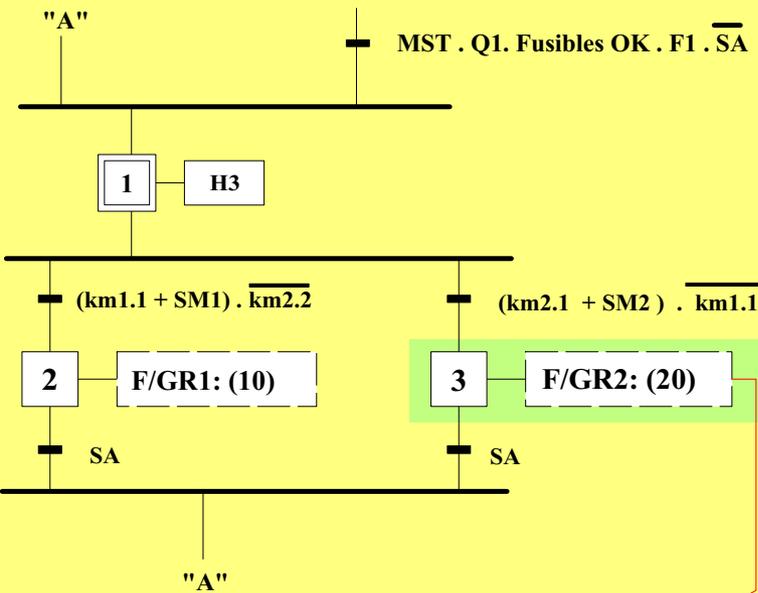


l'étape 1 active permet au grafcet: GR1 de boucler

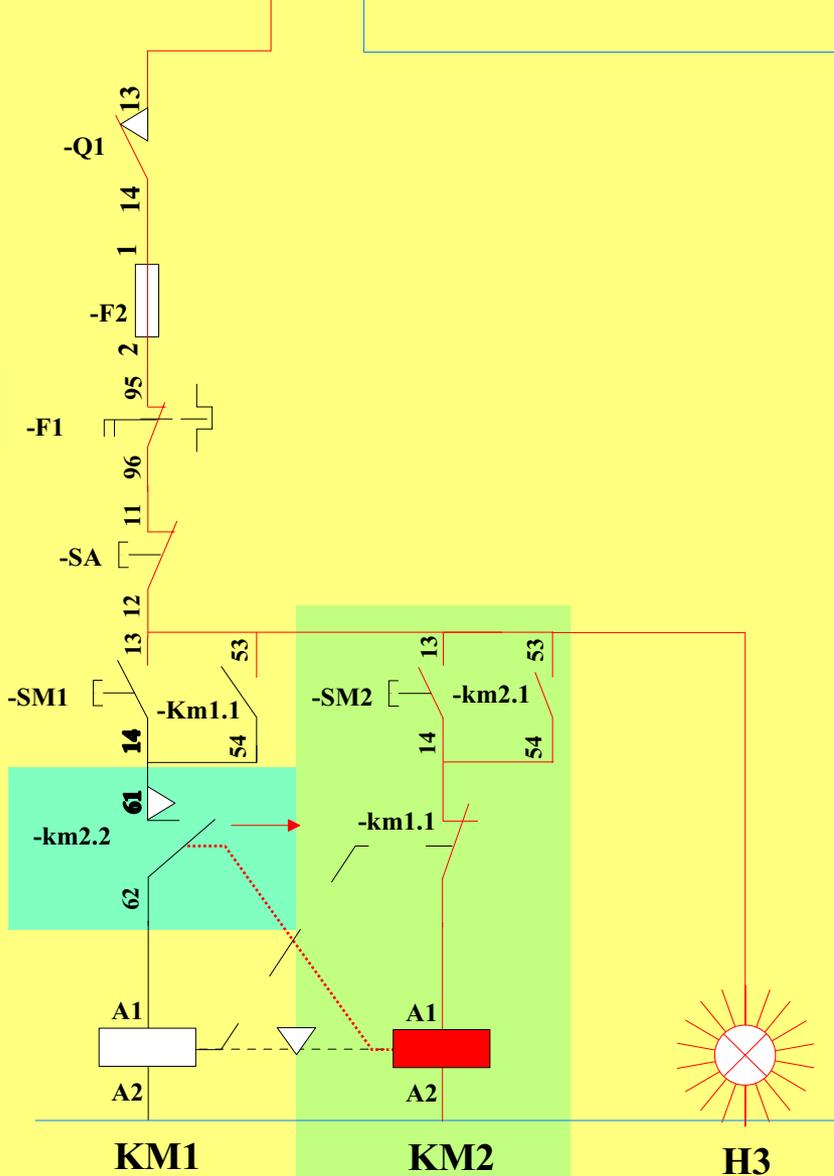
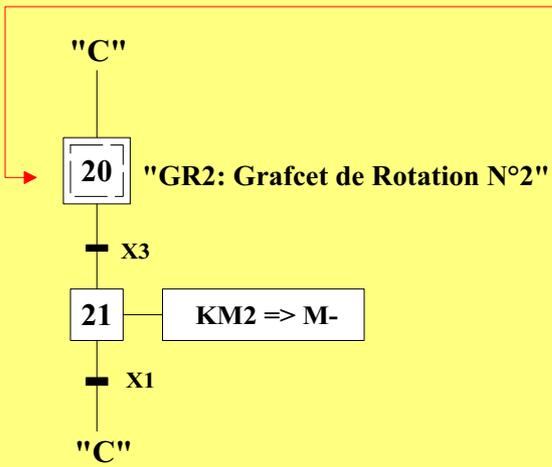


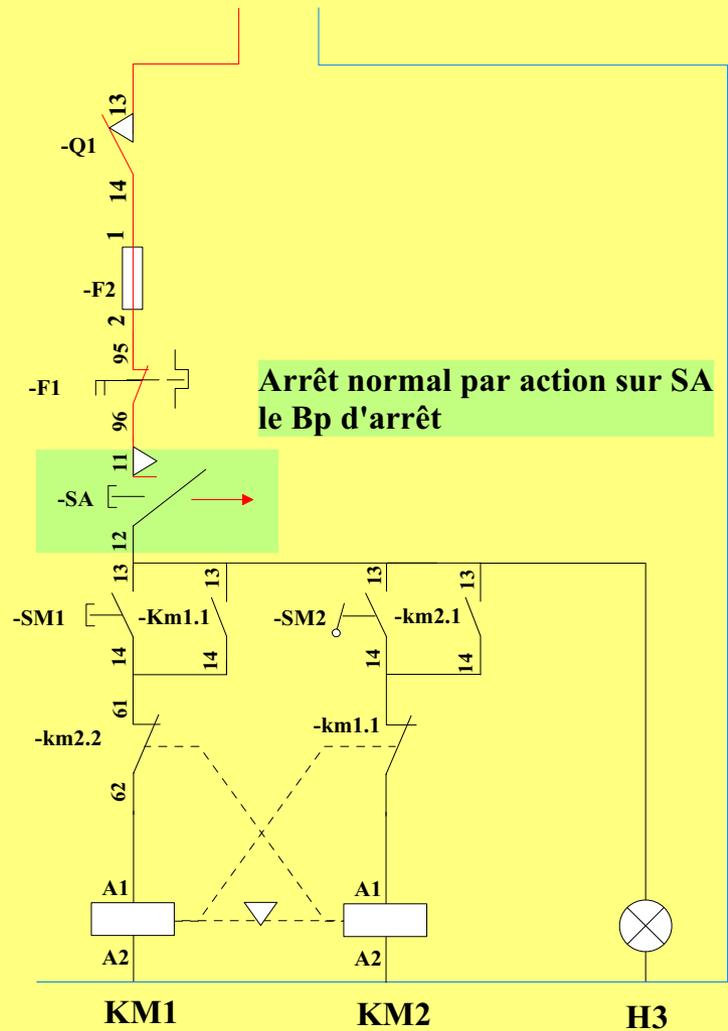
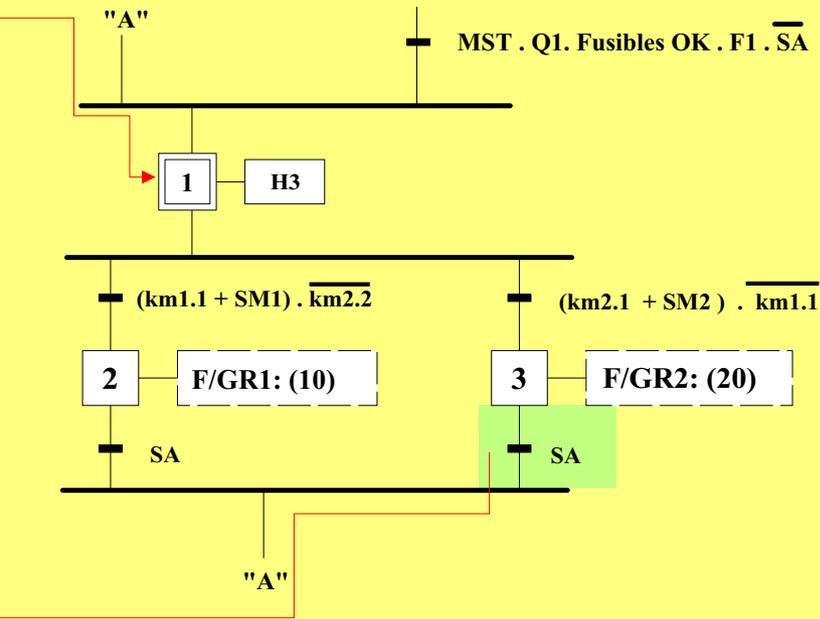
Marche dans l'autre sens

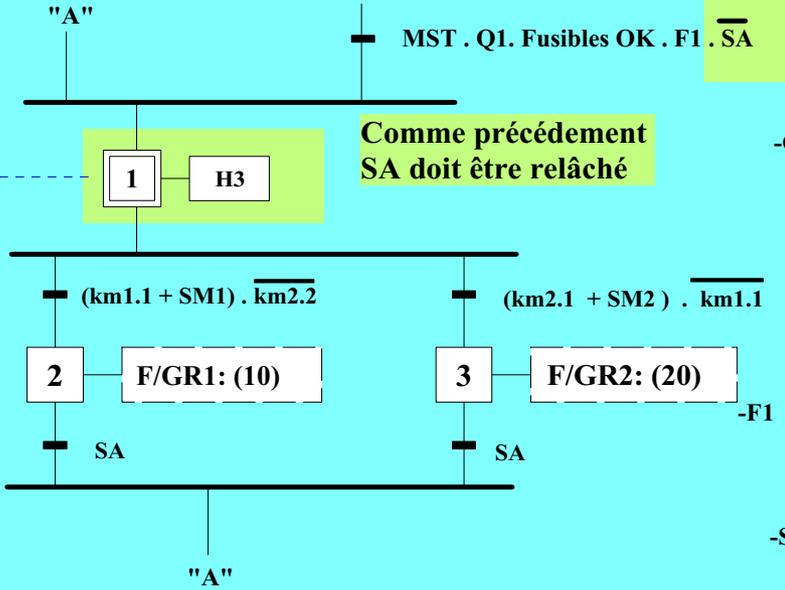




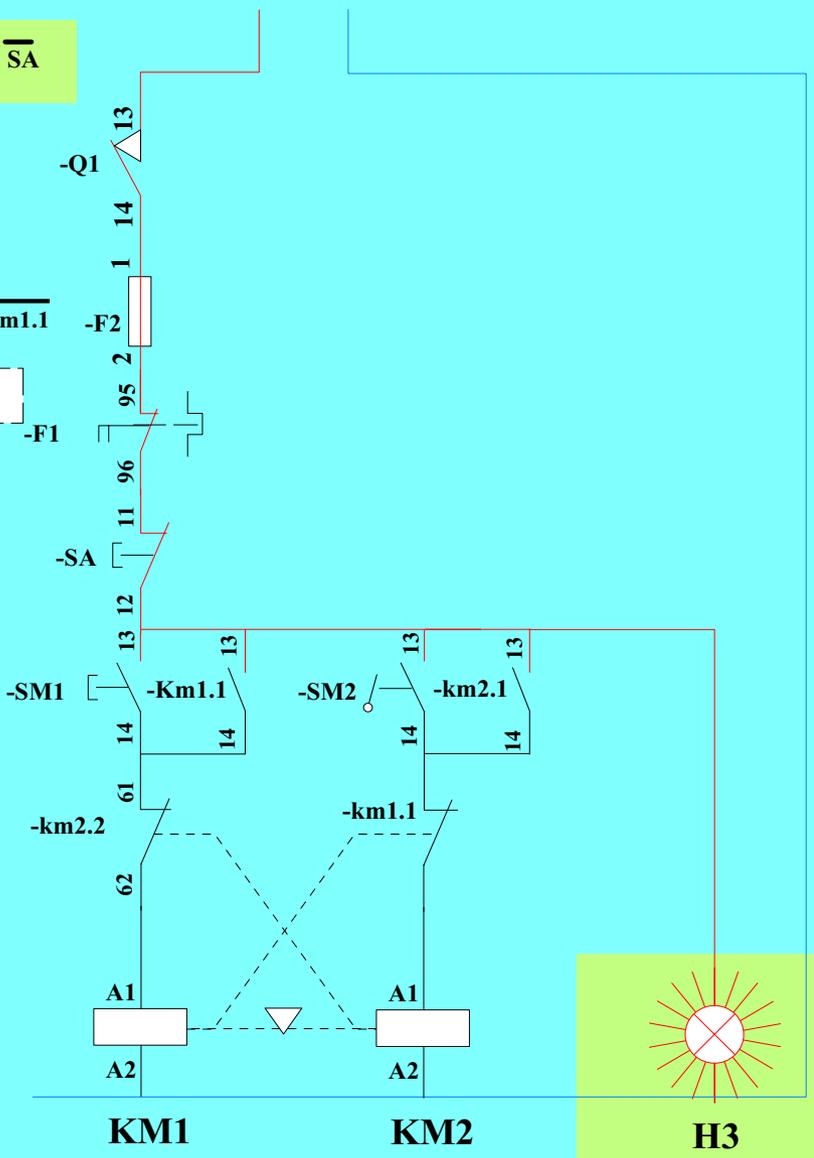
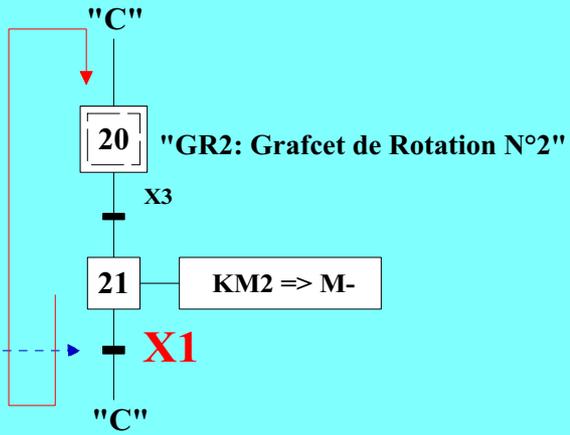
Forçage du grafcet GR2 à l'étape 20

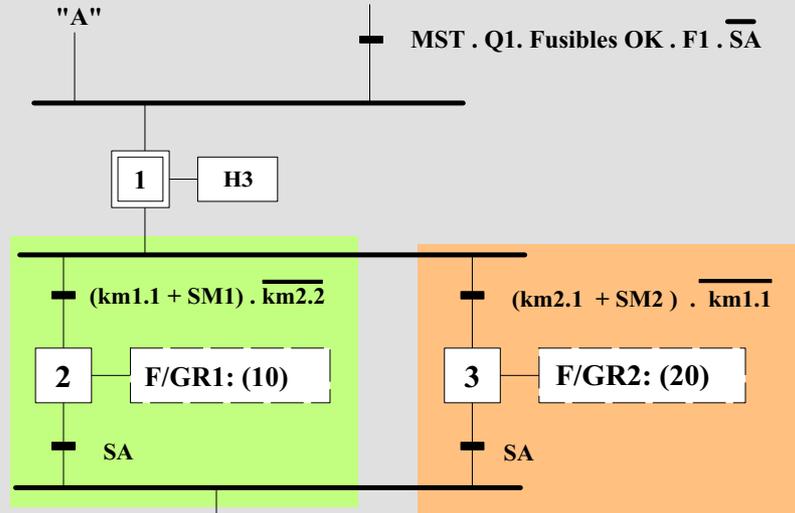






Avec l'étape 1 active
le grafcet GR2 peut boucler

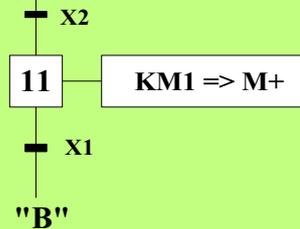




"A" **Le cas d'un défaut du relais thermique n'est pas traité**

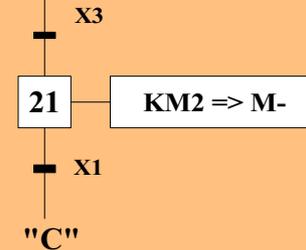
"B"

10 "GR1: Grafcet de Rotation N°1"



"C"

20 "GR2: Grafcet de Rotation N°2"



"A"

— MST . Q1 . Fusibles OK . F1 . \overline{SA}

1

H3

Si l'initialisation est compliqué
on peut prévoir un gafcet GI: Grafcet d'initilisation

— (km1.1 + SM1) . $\overline{km2.2}$

2

F/GR1: (10)

— SA

— (km2.1 + SM2) . $\overline{km1.1}$

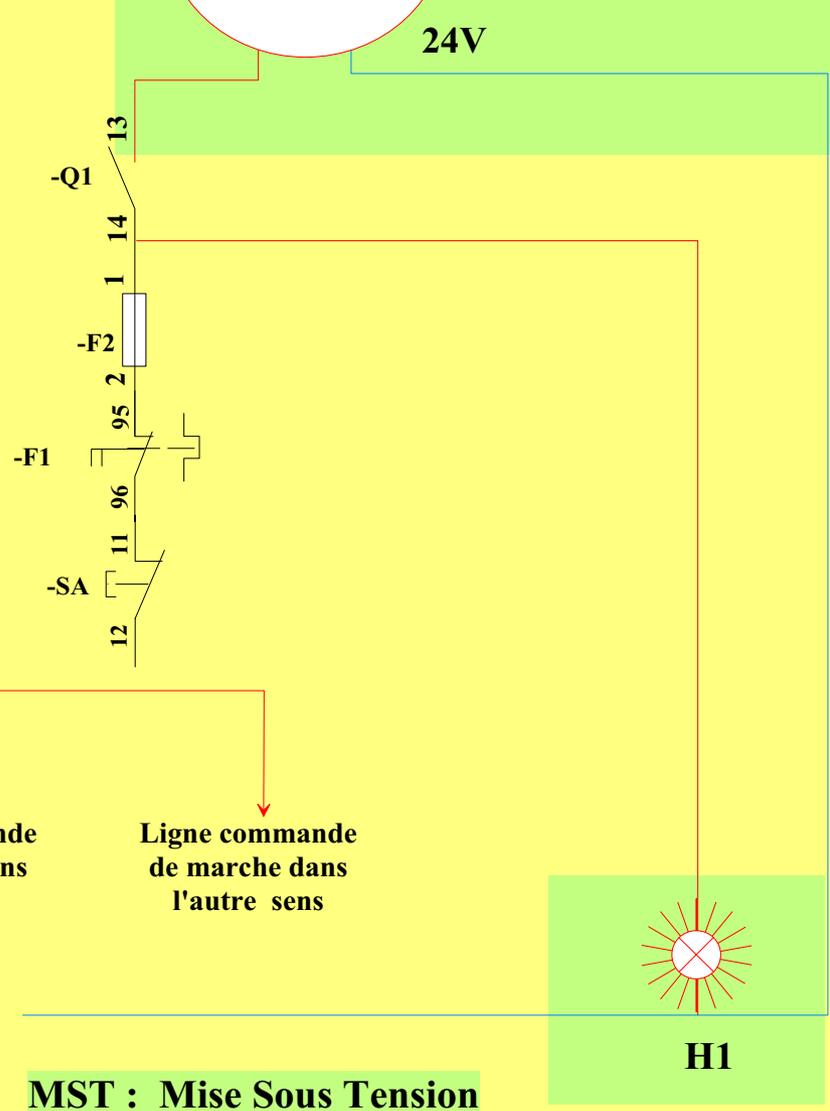
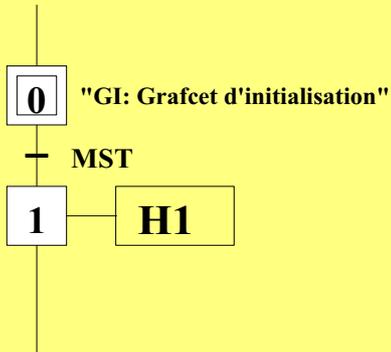
3

F/GR2: (20)

— SA

"A"

Exemple



24V

Autre solution

0

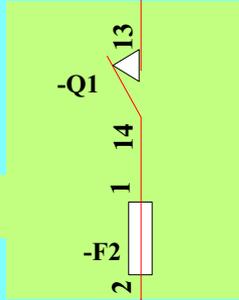
"GI: Grafcet d'initialisation"

+

MST . Q1 . fusible F2 OK

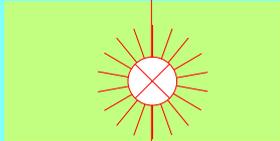
1

H1



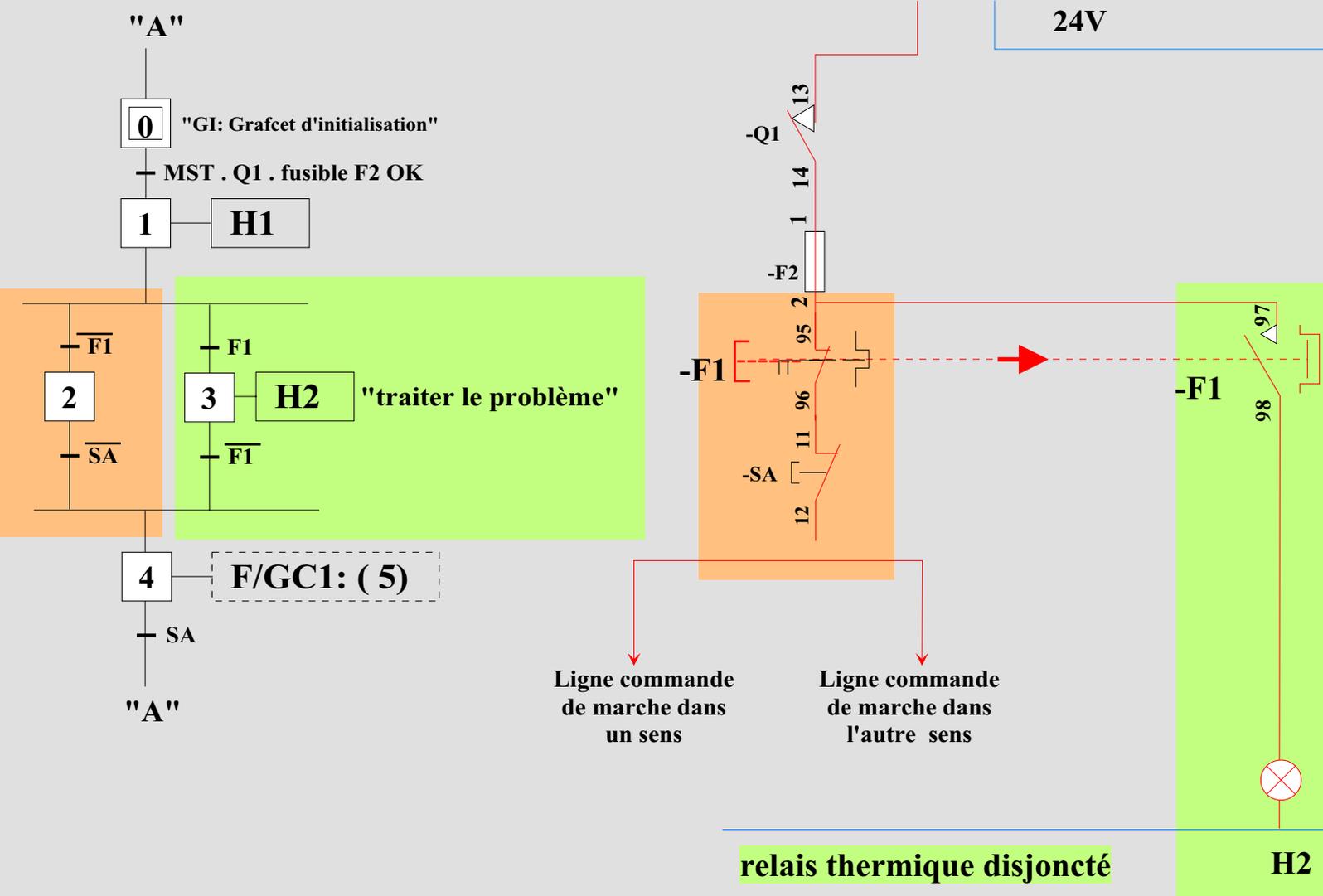
Ligne commande de marche dans un sens

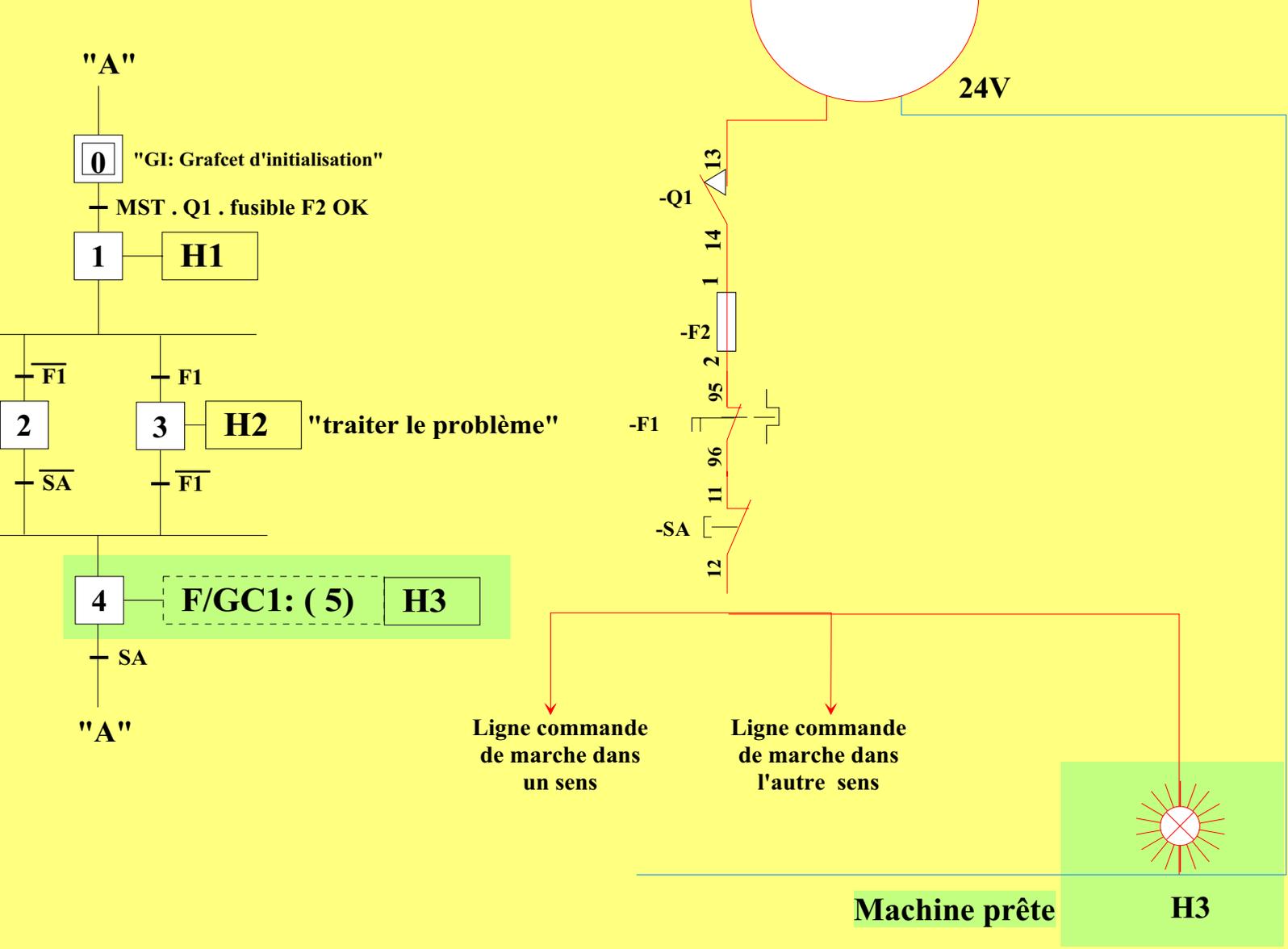
Ligne commande de marche dans l'autre sens

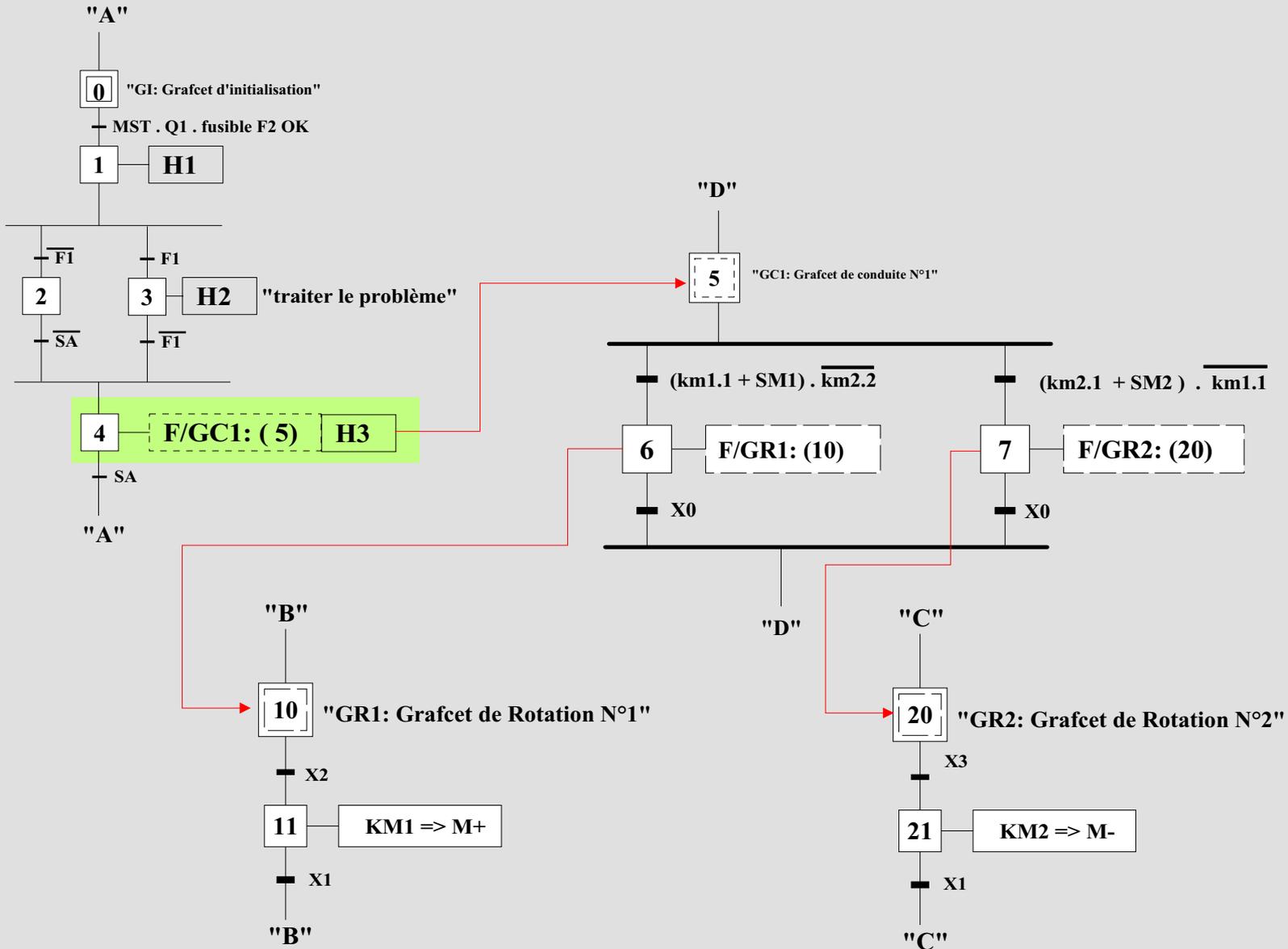


MST : Mise Sous Tension

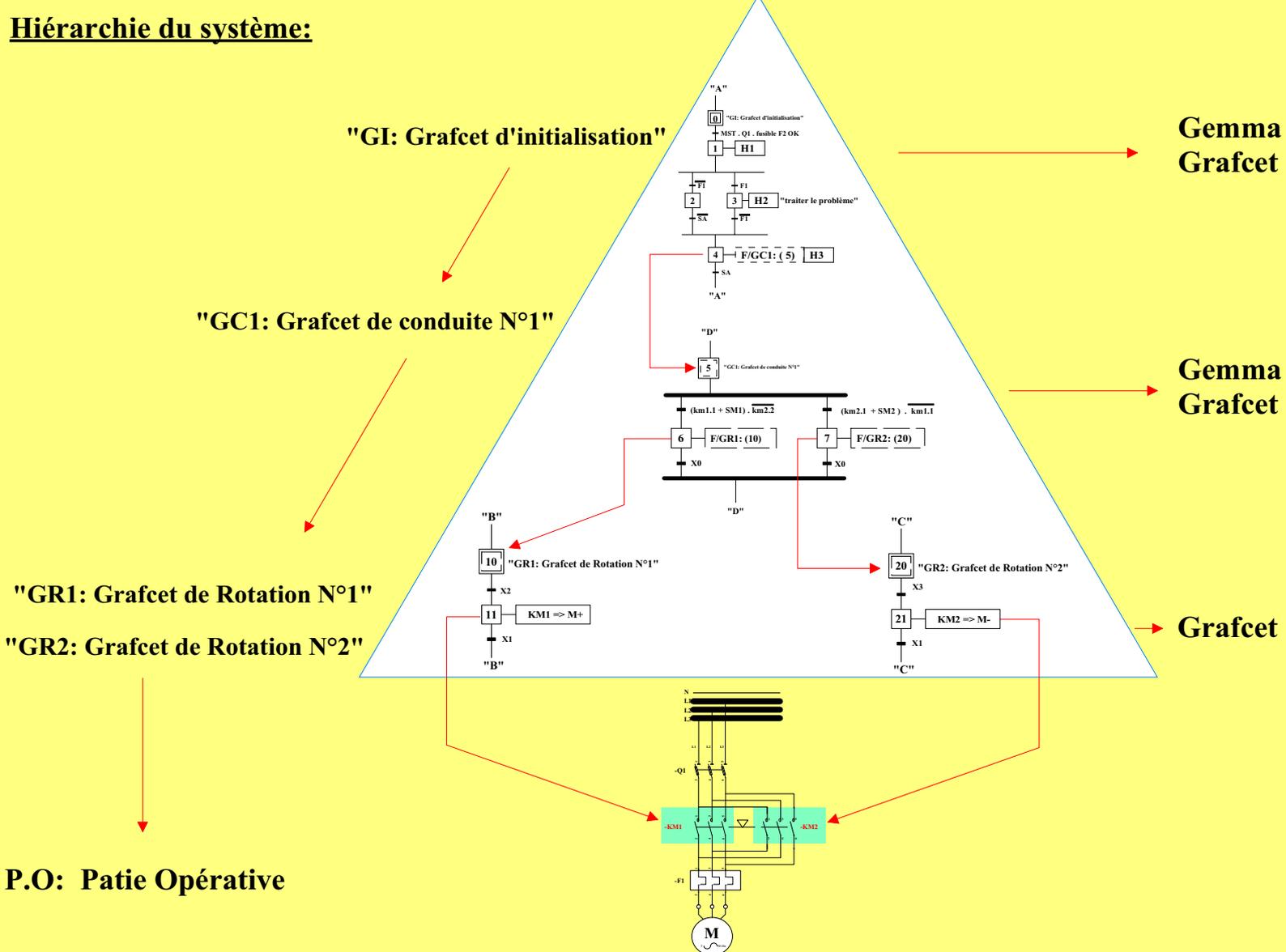
H1







Hierarchie du système:



FIN