```
Def rep embedding: exact, k-linear, faithful, pre indecom, ref iso strict rep embedding: exact, k-linear, faithful, full, pre indecom, ref iso
        33 (b) ⇒ (b) (b) ⇒ (c) ⇒ (c)
E.g. of strict rep emb:

1. \pi:A \longrightarrow B \longrightarrow F_{B,A}: Mod(B) \longrightarrow Mod(A)
               e.p. Q \subseteq Q'

\pi : KQ' \Rightarrow KQ

F_{kQ',KQ}

2. Q \rightsquigarrow Q^{k\pm}

\hookrightarrow F^{k\pm} : Rep(Q) \rightarrow Rep(Q^{k\pm})

Cor \ Q \rightsquigarrow Q^{bi}

\Longrightarrow F^{bi} : Rep(Q) \rightarrow Rep(Q^{bi})

e.p. F(n) \rightsquigarrow k(n+1)

\Longrightarrow F^{bi} : Mod(F(n)) \rightarrow Rep(k(n+1))

3. Mod(F(2)) \rightarrow Rep(1 \rightarrow 2 \Rightarrow 3)

f \subseteq M^2 \bowtie M^3 \stackrel{(dd \circ)}{\Longrightarrow} M^2

f \subseteq M^2 \bowtie M \stackrel{(dd \circ)}{\Longrightarrow} M^3 \stackrel{(dd \circ)}{\Longrightarrow} M^2
                        Mod(k(3)) \rightarrow Rep(S(5))
M_1 \xrightarrow{9} M_2 \longrightarrow \Gamma_f \Gamma_g \Gamma_h M_1 M_2
M_1 \xrightarrow{9} M_2 \longrightarrow \Gamma_f \Gamma_g \Gamma_h M_1 M_2
M_1 \xrightarrow{9} M_2 \longrightarrow \Gamma_f \Gamma_g \Gamma_h M_1 M_2
                4. Br_{F(n),F(2)}: Mod(F(n)) \rightarrow Mod(F(2))
                      Cor Br B, F(2): Mod (B) → Mod (F(2)) when B is f.g.
                 5. C(Mod(F(J))) \longrightarrow Mod(F(J'))
6. F: Rep(K(n)) \to Mod(A) given 2 orthogonal bricks
  Wild algebra : rep embed mod(F(2)) \longrightarrow mod(A)
The following implications are known: 7
  K(n)_{n\geq 3}, S(5)
  1 \rightarrow 1 \Rightarrow 3 1 \rightarrow 2 strictly wild \Longrightarrow endo wild
 k[x_{i_1}x_{k_1}x_{k_2}]/(x_ix_i) k[x_{i_1}x_{k_2}]/(x_i^3,x_k^3)  (1)
                                             controlled wild \longrightarrow controlled endo wild
                                                               115
                                                          wild
      K(2), K(1), S(4)
```

Preview of rep embedding