

**ma-compatible**<sup>0,22</sup>

*clarification:*

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ma-compatible{i:l}
  (M1; M2)
≡def ma-compatible-decls{i:l}
  (M1; M2)
& fpf-compatible(Id;
  x.fpf-cap(fpf-join(IdDeq;1of(M1);1of(M2));IdDeq;x;Void);
  IdDeq;
  1of(2of(2of(M1)));
  1of(2of(2of(M2))))
& fpf-compatible(Id;
  a.(State(fpf-join(IdDeq;1of(M1);1of(M2)))→
  fpf-cap(fpf-join(KindDeq;1of(2of(M1));1of(2of(
  M2)));KindDeq;locl(a);Top)
  →Propi);
  IdDeq;
  1of(2of(2of(2of(M1)))));
  1of(2of(2of(2of(M2))))))
& fpf-compatible((Knd×Id);
  kx.(State(fpf-join(IdDeq;1of(M1);1of(M2)))→
  Valtype(fpf-join(KindDeq;1of(2of(M1));1of(2of(M2)));1of(kx))→
  fpf-cap(fpf-join(IdDeq;1of(M1);1of(M2));IdDeq;2of(kx);Void));
  product-deq(Knd;Id;KindDeq;IdDeq);
  1of(2of(2of(2of(2of(M1))))));
  1of(2of(2of(2of(2of(M2)))))))

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& fpf-compatible
((Knd×IdLnk);
kl.((tg:Id
  ×(State(fpf-join(IdDeq;1of(M1);1of(M2)))→
    Valtype(fpf-join(KindDeq;1of(2of(M1));1of(2of(M2)));1of(kl))→
    (fpf-cap(fpf-join(KindDeq;1of(
      2of(
        M1));1of(
      2of(
        M2));KindDeq;rcv(2of(
        kl),tg);Void) List))) List);
product-deq(Knd;IdLnk;KindDeq;IdLnkDeq);
1of(2of(2of(2of(2of(M1))))));
1of(2of(2of(2of(2of(M2))))))
& fpf-compatible(Id;
  x.(Knd List);
  IdDeq;
  1of(2of(2of(2of(2of(2of(2of(M1)))))));
  1of(2of(2of(2of(2of(2of(M2)))))))
& fpf-compatible((IdLnk×Id);
  lt.(Knd List);
  product-deq(IdLnk;Id;IdLnkDeq;IdDeq);
  1of(2of(2of(2of(2of(2of(2of(M1)))))));
  1of(2of(2of(2of(2of(2of(2of(M2)))))))
& fpf-compatible(Knd;
  k.(Id List);
  KindDeq;
  1of(2of(2of(2of(2of(2of(2of(2of(M1))))))));
  1of(2of(2of(2of(2of(2of(2of(2of(M2))))))))
& fpf-compatible(Knd;
  k.(IdLnk List);
  KindDeq;
  1of(2of(2of(2of(2of(2of(2of(2of(2of(2of(M1))))))))));
  1of(2of(2of(2of(2of(2of(2of(2of(2of(M2)))))))))))
& fpf-compatible(Id;
  x.(Knd List);
  IdDeq;
  1of(2of(2of(2of(2of(2of(2of(2of(2of(2of(M1))))))))));
  1of(2of(2of(2of(2of(2of(2of(2of(2of(2of(M2)))))))))))

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