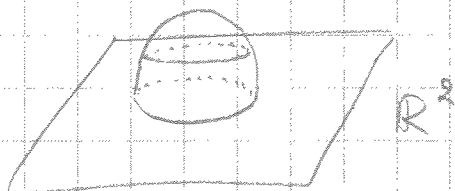
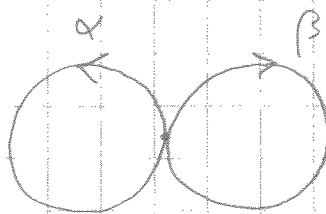


Kuva 1.



Kuva 3.

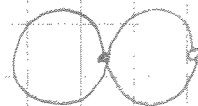


$$S^1 \vee S^1$$

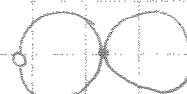
Kuva 2 a.



$$S_1^1 \vee S_2^1$$

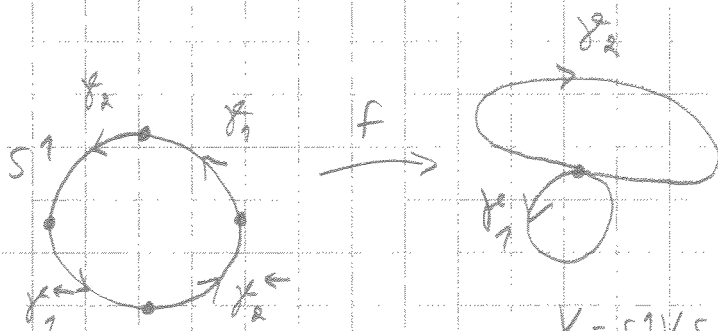


$$\bar{X}_1$$



$$\bar{X}_2$$

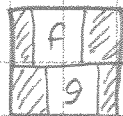
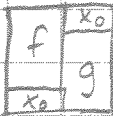
Kuva 2 b.



$$Y = S^1 \vee S^1$$

Kuva 4.

Homotopia  $fg \cong gf$ :



Kuva 5.