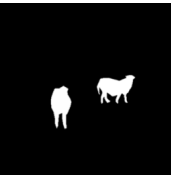
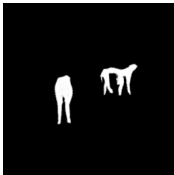


Input

 G_S^{skip}  G_S^{res}  $G_S^{multi_re.}$ 