$$\sigma = Sig_{sk}\left\{ g^{r} \middle|\middle| H\left(g^{r\alpha_{Bob}}\right) \middle|\middle| E_{pk_{ID_{Bob}}}\left(vk \middle|\middle| g^{r\alpha_{Bob}} \middle|\middle| K\right) \middle|\middle| H\left(g^{r\alpha_{Dylan}}\right) \middle|\middle| E_{pk_{ID_{Dylan}}}\left(vk \middle|\middle| g^{r\alpha_{Dylan}} \middle|\middle| K\right) \middle|\middle| E_{K}\left(M \middle|\middle| ID_{Bob} \middle|\middle| ID_{Dylan}\right) \right\}$$