Answer Key- Elimination Reactions. *†*−1 Den Bress or Hotels 14

Och 3

Och 3, El elimination From these conformations, it is clear the only 2H/D maintains anti-periplanain with -Br. So in presence of a bar will follow to eliminate Dbs only. $H \xrightarrow{\text{ton}} Br$ $H \xrightarrow{\text{CH}_3} = H \xrightarrow{\text{CH}_3} = H \xrightarrow{\text{Et}} Bn$ $H \xrightarrow{\text{Et}} Bn$ $H \xrightarrow{\text{Et}} Bn$ $H \xrightarrow{\text{Figure 1}} H \xrightarrow{\text{Figure 2}} H \xrightarrow{\text{Figur$

Substitution is likely follow SN mechanism and

Generate the Corresponding alcohol, after -Me migration (to get the more stable carbo cation)

Br Ph

Ph - Br Do Me Sane --- trans-isomer will be obtained.

Here two groups are maintaining anti-periplementy. So upon treat men of base, Hel will be the climination of base, Hel will be the elimination

Product. Final Product is Let to Brain only bo mustable large I bor I'm, bor will be climinated

Me Coffer groups are 'down' and sterically clarking, so this is a very unstable conformer on mi alien hand, placing - che me me me me group anially is not a valid option. group anially is not a valid option.

