

- 1 $\Rightarrow \neg \text{bozlik, yıl (Kitap)}$
- 2 $\Rightarrow \neg \text{ogrId, ogrAdi, bolum, yaz } (\sigma_{\text{bolum} = '115' (\text{Ogrenci})})$
- 3 $\Rightarrow \text{Ogrenci} \bowtie \text{Kitap}$
- 4 $\Rightarrow \sigma_{\text{yayinci} = 'SAÜ' \wedge \text{yıl} < 1950} (\text{Kitap})$
- 5 $\Rightarrow \neg \text{yAdi } (\sigma_{\text{adrez} = 'Sakarya' (\text{Yazar})})$
- 6 $\Rightarrow \neg \text{ogrAdi } (\sigma_{\text{yaz} > 30 \wedge \text{bolum} \neq '115' (\text{Ogrenci})})$
- 7 $\Rightarrow \sigma_{\text{yazar} (\text{Adi, Adrez}) (\text{Yazar})}$
- 8 $\Rightarrow \neg \text{ogrId, ogrAdi, bolum, yaz } (\sigma_{\text{bolum} = '115' (\text{Ogrenci})} \bowtie \text{Odunc})$
- 9 $\Rightarrow \neg \text{bozlik } (\sigma_{\text{yAdi} = 'Ali' (\text{Yazar})} \times \sigma_{\text{yazar} = 'Ali' (\text{Kitap})})$
- 10 $\Rightarrow \neg \text{bozlik } (\sigma_{\text{kitapId} = 'null' } (\sigma_{\text{yAdi} = 'Ali' (\text{Yazar})} \times \sigma_{\text{yazar} = 'Ali' (\text{Kitap})})$
- 11 $\Rightarrow \neg \text{kitapId, bozlik, yayinci, yıl } (\sigma_{\text{kitapId} \neq 'Null' (\text{Kitap})})$
- 12 $\Rightarrow \neg \text{ogrId, ogrAdi, bolum, yaz } (\text{Ogrenci} \bowtie \text{Odunc} \bowtie \text{Kitap})$
- 13 $\Rightarrow \neg \text{bozlik } (\sigma_{\text{yAdi} = 'yazın' (\text{Yazar})} \bowtie \sigma_{\text{yAdi} = 'yazın' (\text{Kitap})})$
- 14 $\Rightarrow \neg \text{yAdi } (\sigma_{\text{ogrAdi} = 'veli' (\text{Ogrenci})} \bowtie \text{Kitap} \bowtie \text{Odunc})$
- 15 $\Rightarrow (\sigma_{\text{Anahtar} \text{ içerir 'veri tabanı'} \wedge \text{Anahtar} \text{ içerir 'programlara'} (\text{Kitap}))$