-----------------------------Pws vazw Property Types--------------p39

Poio object property tha mporouse na thewrhthei symmetric??

1.To border einai **symmetric** giati an h xwra A

exei border me th xwra B tote k h xwra B exei borders me th xwra A

Poio object property tha mporouse na thewrhthei functional??

Px to located in

2.to is\_isolated\_in einai **functional** dioti syndeeei mia polh me mono mia xwra (dyo xwres den mporoun na exoun thn idia polh )

Estw twra oti theloume na doume ena paradeigma gia to inverse

3. dhmioyrgw **neo property "containProperty**" (den einai sub property kanenous) k tou vazw oti einai **inverse** of tou property is \_part\_os

---------------Logikoi syndyasmoi----------p27,p40-43

Pws xrhsimopoiw to **disjoint** (ksenes klaseis metaksy tous)

country **disjoint** me state kai city

Pws xrhsimopoiw to **complement/symplhrwma**

Gia na efarmosw to sumplhrwma dhmiourgw 2 nees klaseis (upoklaseis tou country)

european\_countries ,non\_european\_countries

Sub Class Of->class expression editor-> **not european\_countries**

Pws xrhsimopoiw to **union/enwsh**

Gia na efarmosw to sumplhrwma dhmiourgw mia nea klash **region** me thn opoia mporei na ekfrastoun kai h klash **country** kai h **state**

opote dhmiourge mia nea klash region (den einai subclass kanenous)

Equivalent To->class expression editor-> **country or state**

Pws xrhsimopoiw to **intersection/tomh**

Gia ayto to paradeigma tha xreastw tis klaseis

northen\_european\_country (den einai subclass kanenous), northen\_country (upoklash tou country), european\_country (pou yparxei hdh)

epilegw to->**northen\_european\_country**-> Equivalent To->class expression editor-> **european\_country and northen\_country**

----------------------------------------Pws dhmiourgw classeis me restrictions------------------------

Estw oti thelw na dhmourghsw mia nea klash, th “**central\_european\_country”** h opoia den ginetai na exei **borders**/sunora me alla **countries** pera apo European country mias kai einai central

Pws to dhlwnw ayto:

Dhmioyrgw mia nea klash “**central\_european\_country”** hopoia tha einai ypoklash tou **“european\_country”**

Epilelw th central\_european\_country-> Sub Class Of-> object restriction creator-> **border kai European\_country (restriction type: only universsal) mono**

Estw oti oti thelw na dhmourghsw mia nea klash, th “**europen\_neighbor\_country**” einai mia **non\_european\_country** pou synoreyei/ **borders** me toulaxiston mia **european\_country.**

Dhmioyrgw loipon th klash“**europen\_neighbor\_country**” h opoia tha einai upoklash ths “**non\_european\_country”**

Epilelw th “**europen\_neighbor\_country**” -> Sub Class Of-> object restriction creator-> **border kai European\_country (restriction type: some existencial) toulaxiston**

----------------------------------------Pws dhmiourgw value restrictions---------------------------------------------

Estw twra oti thelw na dhmiourgisw mia nea klash “**german\_city” (upoklash ths city) is\_located\_in Germany**

Paw sthkartela **Individuals** dhmiourgw ena **individual** to **Germany kai dhlwnw** oti einai **type european\_country**

Epeita paw pisw sth kartela me tis klaseiskaiepilegwthnklash“**german\_city”** ” -> Sub Class Of-> class expression editor->**isolated\_in value Germany**

Estw twra oti thelw na dhmiourgisw mia nea klash thn **island\_country** h opoia einai **country** kai den synoreyei/**border** me kamia allh xwra.

Dhmiourgw thn nea upoklash tou **country** thn **island\_country**

Epilelw th “**island\_country**” -> Sub Class Of-> object restriction creator-> **border kai country (restriction type: Exactly) kai vazw 0 apo dipla**

--------------------------------------------------Individuals----------------------------------------------------------------

Estw oti thelw na dhmiourghsw ena individual, to **Berlin** to opoio tha einai **GermanCity** kai na dhlwsw poso plhthusmo exei

Paw sth kartela **Individuals** kai dhmiourgw neo **Individual to Berlin ->Types->GermanCity** kai dipla **Data property Assertions-> Data type->population 350000**

Epishs thelw na dhlwsw sygkekrimena oti einai **capital\_of/** prwteuousa ths **Germany/**Germanias

Paramenw sth kartela **Individuals-> object property Assertions->is capital\_of kai Germany**

**Pame twra na dhmiourghsoume ena epitideumeno lathos gia na tsekaroume ta restrictions mas**

Dhmiourgw enaneo Individual to **Iceland** to opoio einai **type european\_county, island\_country, northern\_country**