r		
1)		HOMEWORK 2 (ASP with NOT)
	A)	$TT^{5}_{1} = p \leftarrow r, not 5.$
		Control of the second of the s
10 11 4	187	given s, = Er3
		$p \leftarrow not s$
		r (since r is in S,)
		now the modified program is
		$p \leftarrow r_{11}$
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Therefore, TTS1 = {P, Y}
		The state of the s
B	,)	S, is not an conswer set of S, because
	Control of the Contro	the answer set of the reduct is
		ξρ, F 3
		the second is respected a round
		Sie der der merianister
_C)	I	$r^{52} = p \leftarrow r, nots$
1200		r
	gi	ven = 52 = {p, r}
- 4.7		p < r } modified
		r J Program
	7	752 is an answer set because R is asserted
		and p is asserted based on r (both in set)
0)	77	52 = \{p, r \} is an answer set because
		's minimal and its consistent with no
		contradictory

E)	Excluding candidates that contain literals
	is madificated to avoid contradictory or inconsistent
	is motivated to avoid contradictory or inconsistent information. These lits would conflict with the rules
	given in the program
2) A)	052 25235265206522652265222
. 17	85 795 - 1005 - 727 7 D Sp. 70 }
	①{} ② {ρ}³ {γ} [®] {¬ρ} [©] {¬r} [©] {ρ, r} [©] {¬р, ¬r} ⑤ {ρ, ¬r} [©] {¬p, r} [©] {ρ, r, ¬p, ¬r} [©] {ρ, ¬p} ② {r, ¬r} [©] {ρ, r, ¬p} [©] {ρ, r, ¬r}
	© {7r, 7p, p} @ {7p, 7r, r}
B)	mp or r
	7p < 7p
	condidate sof $S = \{0 = f, r = T\}$
	candidate set $S_1 = \{p = F, r = T\}$ 1) $\sqrt{7p}$ or r : $\sqrt{7F}$ or T evaluates to T
	17p < 7p: 7F evaluates to T
	Reduct:
111	(IIs' = \ 7p3 \)
3)	p < r, not s
	5 ← :no+ p
	canidate set 5,= { S }
	1) p < r, not 3, this rule gets concelled because
	1) p < r, not 3, this rule gets concelled because 2) 5 < not p, s is true because p not in set regati
	Relevante Reduct IIs'= { 5 } 15 } - + his is an answer set of 5,
	this is an answer set of Si

4)	$A_1 = \{p(a), \neg p(b), r, s, \neg +\}$
	$A_2 = \{p(a), 75, 7+\}$
	$A_2 = \{p(a), 75, 7t\}$
a)	is false
b)	7p(b) is present in A, JP is not present in A,
	Therefore the query is unknown.
c)	(5) is present in A, (5) is not present in A2
	Therefore, (5) is unknown
d).	+ X 75 is not present in BOTH queries
	Therefore, the answer is false
	7+ Vs is present in A, , 7+ Vs is present
	in A_2
	Therefore, the answer is True
5)	Rewrite Rule 2)
	- pursue (x) = expedient(x), not meaning fal(x)
1	