class Booking Fact a. Design forward seasoning system def-init- (self, expression) to prove guery "Someone isho self ingression = expression are intelligent cannot read", de expression split () using forward chaining self the : [Fact self who pardicate, parans : self splitExpression (Expression) self. predicate = predicate self. Zarans = zarans self. result = any (self. get Constants ()) det split Experision (self, exquession): prediente = getPredicates (expression)[0] parans = getAttributes (expression)[0]. stoig ('(1'). split(', ') return [predicate, parans] dif getResult (self)! outurn self. result def getConstants(self) return [None if is Variable (c) else c for c in self. Farans] def get Variables (self): extuen [v if isVariable (v) else none for v in self. parans] dy substitute (sto self, constants)! c = constants. copy () ', 'join ([(constants.pop(o) if 7 for 7 in self.parans])" f = f" & self. paredicate 3 ({ cistaciable (7) else 7 return fact(f) S.R.Purel

S.R. PUNEETH class impleiation 18M18C5087 def-int-(self, expression): self. expression = expression d: expression. split ('=>8') self. dhs = [Fact(f) for f in d[o]. split('f')] self. ehs = Fact(d[1]) dy evaluate (self, facts): constants = 63 grandwoods, param a hely nuo_lhs = [] for efact in facts: for val in self. ells: if val. predicate = = fact. predicate; constants [v] = fact. getConstants () [i] new-dho. append (fact) prediente, attributes = getPredicates (self. ahs. expassion)[0], ster (get Attenbutes (self. als. expression)[0]) for day in constants: if constants (key): attenbutes: attributes. replace (ky, constants [key]) enge: f'Equalicate Fatherbutes ? cretion Fact (exces) if den (new_lhs) and all ([f. getResult() for f in new-dho]) else None S.R.Pured