NAME: KRUNAL RANK ROLL No: 11860081 CLASS: BIECH III, Computer Eng. SEM: Gemester 6

System Softwares Ans 3 Totorial 4 And: Forward Reference is when we use the symbol on literal before declaring it and the error caused due to it is called the forward reference problem. Backpatching usually refers to the process of resolving forward branches that have been planted in the code, eg at if statements, when the value of the target becomes known, e.g., when the closing brace or matching elso is encountered. Ansz; Assembly Desir Directives are instructions used by the assembly process and to improve program readibility.

Some of the advanced assembly directives are:

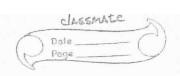
• EQU:- The equate directive is used to substitute values for symbols or labels.

Grample:brample:

label EQU value.

Whenever label is encountered, it is replaced with value. · ORG: The origin directive sets the location counter to value specified.

Example: ORG \$2000 Here, location counter + is not to address 2000.



In 3. Intermediate Code can be represented in two ways:

High level Intermediate code:

High level intermediate code can be represented as source code. To enhance the performance of source code, we can easily apply code modification. But to optimize target machine, it is less preferred.

low level intermediate code is close to the target machine, which makes it suitable for register & memory allocation etc. It is man used for machine dependent optimizations.

Ansight of Intermediate code the first operand in a single digit number that usually represent a register code. In some cases, the register code is replaced by a condition code. The beand operand is always a memory operand.

In Variant 2 Intermediate code, their processed forms may at times take the place of the operand fields of the source statements.

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Ans 5	Variant 2
	Extra work is required in Pass I performs simple task.
2.	IR is very much compact. IR is not compact.
	Pass 2 per forms simple task. Pass 2 raquines entrand
4.	Wastage of memory takes Memory saves gets said place.
	The contract of the contract o
The second control of	
er (i.e. p. see jane) er en er	
en e	