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EMPERIMENT NO. 9.

Men: write a program to implement voide denération.

The men : idital a said base tos intermediate representation of a program into
executable vode in a roag et language or marvine vode
if Portemediate Representation: Before vode generation the compiler typically transforms the course code into an intermediate representation () in which abstract away from the specific same (anguage syn ten while retaining its semantic.

2] ranget code generation: During wode generation, the compiler traverses the 1R4 emits target code instruction for construct that perform equivalent instrution on construct that perform equivarient operation to those described by the exposurent aperation to those described by the exposurent takes into account the characteristics of the tenget platform, including its instruction set anchitecturie (18A), memory imported, couning conventionally continued optimization opportunities.

Toptimization: potimization opportunities.

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Toptimization: potimization technique included involve optimization technique to improve the efficiency or quality of the improve the efficiency or opposite of the improve the efficiency or opposite allocation. allocation!



Correspondence Chip. S. Enample: insomplant of one opening a stirus conte simple expression to be compiled into machine code Int add Cint a, Int 6) & : Mragan. as paramakan jetuma atibyu 21 midowan shu At it we force a de order transport attails among executable wide in a mag of conguage on made occur in Potemediate representation (IR): Discourse ; an afunction's address is is in might silgen we restant will were missorage report the interior as the stide per app app and on its ities of the mid your Temp tie atb . 3 Margare 2th principtes. CONCRETURNO ESCO : MILDROLLE SOLO 19000 [s en is said the conferred the in the tone of solly one of addi made generation Chros amembly mais save, the current basepoints movies Prespin juset up a new base point tenger- materia, including its ingresultion sex mov rear (CEBP 183), wad a somistact into contracted original contraction opportunities CAX, [EBR+12] 1 Add b' TO EAX! uspinos minurinity i suis Resultable in EAX. RET : Restone the provious menuit, is cin EAX

the company in the same