

```
* 0 *
  LIS t33(1057) :=
  LI t32(1056) :=
  LA t31(1055) := t33(1057)
```

(t31, t32)

```
* 1 *
  PHI t0(1024) := t31(1055) t3(1027)
  PHI t1(1025) := t32(1056) t2(1026)
  LI t34(1058) :=
  STW := t34(1058) t0(1024)
  ADDI t2(1026) := t1(1025)
  ADDI t3(1027) := t0(1024)
  CMPWI t35(1059) := t2(1026)
  COND_BRANCH := t35(1059)
```

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(t2, t3) (t2, t3)

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* 3 *
  LIS t41(1065) :=
  LIS t42(1066) :=
  LA t38(1062) := t41(1065)
  LA t43(1067) := t42(1066)
  ADJCALLSTACKDOWN :=
  OR4 r3(66) := t43(1067) t43(1067)
  BL := r3(66)
  OR4 t44(1068) := r3(66) r3(66)
  LI t40(1064) :=
  LI t39(1063) :=
  LI t37(1061) :=
  ADDI t4(1028) := t38(1062)
  ADJCALLSTACKUP :=
  LI t36(1060) :=
```

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* 2 *
  B :=
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(t4, t36, t37, t38, t39, t40)

```
* 4 *
  PHI t5(1029) := t4(1028) t22(1046)
  PHI t6(1030) := t36(1060) t21(1045)
  PHI t7(1031) := t37(1061) t20(1044)
  PHI t8(1032) := t38(1062) t19(1043)
  PHI t9(1033) := t39(1063) t18(1042)
  PHI t10(1034) := t39(1063) t17(1041)
  PHI t11(1035) := t40(1064) t16(1040)
  LWZ t45(1069) := t8(1032)
  CMPWI t46(1070) := t9(1033)
  CNTLZW t47(1071) := t45(1069)
  MCRF cr7(8) := t46(1070)
  MFCR t48(1072) :=
  RLWINM t49(1073) := t47(1071)
  RLWINM t50(1074) := t48(1072)
  OR4 t51(1075) := t49(1073) t50(1074)
  CMPWI t52(1076) := t51(1075)
  COND_BRANCH := t52(1076)
```

(t5, t6, t7, t8, t9, t10, t11)

(t5, t6, t7, t8, t9, t10, t11)

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* 5 *
  B :=
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(t5, t6, t7, t8, t9, t10, t11)

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* 6 *
  B :=
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* 7 *
  PHI t12(1036) := t7(1031) t15(1039)
  PHI t13(1037) := t5(1029) t14(1038)
  LI t53(1077) :=
  STW := t53(1077) t13(1037)
  ADD4 t14(1038) := t6(1030) t13(1037)
  ADD4 t15(1039) := t10(1034) t12(1036)
  CMPWI t54(1078) := t12(1036)
  COND_BRANCH := t54(1078)
```

(t5, t6, t7, t8, t9, t10, t11)

(t5, t6, t7, t8, t9, t10, t11)

(t5, t6, t7, t8, t9, t10, t11, t14, t15)

(t16, t17, t18, t19, t20, t21, t22)

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* 8 *
  B :=
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* 9 *
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(t5, t6, t7, t8, t9, t10, t11)

```
* 10 *
  ADDI t16(1040) := t11(1035)
  CMPWI t55(1079) := t16(1040)
  ADDI t22(1046) := t5(1029)
  ADDI t21(1045) := t6(1030)
  ADDI t20(1044) := t7(1031)
  ADDI t19(1043) := t8(1032)
  ADDI t18(1042) := t9(1033)
  ADDI t17(1041) := t10(1034)
  COND_BRANCH := t55(1079)
```

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(t16, t17, t18, t19, t20, t21, t22)

```
* 12 *
  LIS t59(1083) :=
  LIS t60(1084) :=
  LA t61(1085) := t59(1083)
  ADJCALLSTACKDOWN :=
  OR4 r3(66) := t61(1085) t61(1085)
  BL := r3(66)
  OR4 t62(1086) := r3(66) r3(66)
  LI t57(1081) :=
  LA t56(1080) := t60(1084)
  ADJCALLSTACKUP :=
  OR4 t58(1082) := t57(1081) t57(1081)
```

(t56, t57, t58)

```
* 13 *
  PHI t23(1047) := t56(1080) t30(1054)
  PHI t24(1048) := t57(1081) t29(1053)
  PHI t25(1049) := t58(1082) t27(1051)
  PHI t26(1050) := t58(1082) t28(1052)
  LWZ t63(1087) := t23(1047)
  ADDI t29(1053) := t24(1048)
  ADDI t30(1054) := t23(1047)
  CNTLZW t64(1088) := t63(1087)
  RLWINM t65(1089) := t64(1088)
  XORI t66(1090) := t65(1089)
  CMPWI t67(1091) := t63(1087)
  ADD4 t27(1051) := t66(1090) t25(1049)
  BEQ := t67(1091)
```

(t24, t27, t29, t30) (t26, t27, t29, t30)

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* 16 *
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* 18 *
  B :=
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(t24, t27, t29, t30) (t26, t27, t29, t30)

(t27, t28, t29, t30)

```
* 17 *
  PHI t28(1052) := t24(1048) t26(1050)
  CMPWI t68(1092) := t29(1053)
  COND_BRANCH := t68(1092)
```

(t27, t28)

(t27, t28, t29, t30)

```
* 15 *
  LIS t69(1093) :=
  LA t70(1094) := t69(1093)
  ADJCALLSTACKDOWN :=
  OR4 r3(66) := t70(1094) t70(1094)
  OR4 r4(69) := t27(1051) t27(1051)
  OR4 r5(70) := t28(1052) t28(1052)
  BL := r3(66) r4(69) r5(70)
  OR4 t71(1095) := r3(66) r3(66)
  ADJCALLSTACKUP :=
  IMPLICIT_DEF_GPR t72(1096) :=
  OR4 r3(66) := t72(1096) t72(1096)
  BLR :=
```

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* 14 *
  B :=
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