Spice\_FP with Prediction State Machine B (Figure 5)  
  
Total Instructions: 799451

Hit: 141760

Miss: 10085

Right: 134320

Wrong: 15390

Taken\_Branch: 132207

Collision: 10085

wrong Prediction: 10848

Hit Rate: 93.36%

Accuracy: 94.75%

Wrong Percentage: 70.49%

0 404000 404010 00

1 44f004 44f018 00

3 45800c 45c0e0 00

4 409010 409024 00

5 44f014 44eb18 00

6 458018 457f9c 00

7 44f01c 44eb18 00

8 408021 44efd8 00

9 44f024 44eb18 00

10 44e028 44e3ec 00

11 44f02c 44eb18 00

12 409030 408ff8 01

13 44f034 44eb18 00

15 44f03c 44eb18 00

16 401040 44eab0 00

19 45c04c 457eb8 00

21 401054 401034 01

22 404058 404060 00

23 40905c 44c81c 00

25 44f064 44f080 01

26 401068 40473c 00

27 40906c 401821 00

29 45d074 45c780 00

31 44e07c 44e854 00

33 409084 40a544 00

34 44e088 44e3e0 00

35 40908c 4090d0 10

36 40a090 44c86c 00

38 401098 44eab0 00

39 40409c 4040ac 00

40 44d0a0 44d0ac 00

41 4510a4 4510e8 00

43 4090ac 44c81c 00

45 44d0b4 44d9f4 00

46 40a0b8 40a0c4 00

47 44d0bc 401821 00

48 4090c0 40907c 00

50 4090c8 4090d4 00

52 40a0d0 44c894 00

53 44e0d4 44f048 00

56 44e0e0 44e0ec 00

57 40a0e4 40a0fc 00

59 4010ec 44db34 00

60 44e0f0 44e3ec 00

61 4010f4 4011ac 00

62 4510f8 44d358 00

64 458100 45811c 00

66 451108 4506e4 00

67 44d10c 44db80 00

68 44f110 44f11c 00

69 44d114 44d160 00

70 404118 403ccc 00

72 45c120 45c128 00

73 44f124 44d9f4 00

75 44f12c 401821 00

76 45c130 458260 00

77 458134 44d728 00

79 45c13c 45c164 00

86 404158 40457c 00

87 40915c 409178 01

90 405168 405090 01

91 45316c 4531b4 11

92 405170 4051c8 00

93 409174 4096e8 00

95 45317c 45318c 01

98 453188 4532e0 00

99 45c18c 458010 00

100 404190 403cf4 00

102 44f198 44f24c 00

103 45319c 403821 00

104 4041a0 403ccc 00

105 4001a4 44cb10 00

106 4091a8 4096e8 00

108 4531b0 453170 00

109 44d1b4 44efb0 00

110 4011b8 40484c 00

111 4531bc 453298 00

114 44d1c8 44d1d8 00

116 44e1d0 44e2e0 11

119 4091dc 40a544 00

120 44e1e0 44e260 00

121 4001e4 40039c 00

122 44d1e8 44d1fc 00

123 4001ec 4003a8 00

124 4091f0 40958c 00

125 4051f4 406924 00

126 44d1f8 44d090 00

127 4041fc 404218 00

128 44d200 401821 00

129 400204 400428 00

130 44e208 44e0b8 00

134 459218 451a1c 00

136 409220 409250 01

138 453228 453240 00

140 44d230 44d290 00

145 409244 4091c8 00

147 40924c 4091c8 00

149 44f254 44db80 00

151 44f25c 44f2a8 00

156 44e270 44e2a8 11

158 409278 409298 00

160 44e280 44e294 00

161 45c284 45c2d0 00

162 44e288 44dfac 00

165 458294 45c210 00

166 404298 403bf4 00

167 44e29c 44dfd8 00

168 4042a0 4042c8 00

169 4582a4 4e7824 00

171 4052ac 491021 00

172 4092b0 4093ec 00

174 44e2b8 44e2cc 00

175 4542bc 4542f0 00

176 44e2c0 44dfd8 00

177 4532c4 4593a0 00

181 44e2d4 44dfd8 00

183 45c2dc 45c2fc 00

185 44f2e4 44efb0 00

187 4532ec 44da0c 00

188 44e2f0 44e370 01

189 4042f4 4042fc 00

191 4582fc 45082b 00

192 454300 44f5e4 00

193 404304 404314 00

194 454308 402021 00

195 40030c 44cd50 00

196 403310 403bf4 00

198 403318 403340 00

199 45431c 454344 11

200 40a320 44c90c 00

201 405324 481021 00

202 44f328 44f334 00

203 45832c 45833c 00

207 45433c 45432c 01

208 44f340 44f380 00

210 406348 403628 00

213 454354 453610 00

214 40a358 44eab0 00

216 403360 40473c 11

217 45c364 45c374 00

219 40a36c 40a34c 01

221 40a374 44d960 00

222 403378 4033b8 00

223 40a37c 40a38c 00

225 44f384 44f3b4 00

226 45c388 45c398 00

227 40638c 4063e4 00

228 44f390 401821 00

229 40a394 40e874 00

230 44f398 44f3a0 00

232 44e3a0 44de88 00

233 45c3a4 45c3b4 01

234 4053a8 404d0c 00

235 40a3ac 409910 00

236 44f3b0 40a32c 00

237 44e3b4 44de88 00

241 45c3c4 45c3d4 00

244 4033d0 403580 01

245 44f3d4 44f3f0 00

246 4533d8 45343c 00

247 44d3dc 44d3f4 11

248 4063e0 40634c 00

250 44d3e8 457bc0 00

251 4503ec 450408 00

252 44d3f0 44d464 00

254 44f3f8 44fa78 00

256 450400 44d358 00

257 403404 401821 00

258 405408 405414 00

259 44f40c 458840 00

260 458410 458450 00

261 450414 4504d4 00

262 44f418 408021 00

263 40941c 40a544 00

264 44d420 44d464 00

265 44e424 44e994 00

267 44e42c 408021 00

268 409430 40948c 00

269 44d434 408021 00

271 44e43c 44e854 00

274 453448 45352c 00

277 44e454 44e808 11

278 406458 4063a4 00

279 40045c 404534 00

280 458460 45c210 00

281 45c464 45c478 00

284 44e470 44e688 00

286 458478 401821 00

291 44f48c 432823 00

292 458490 4584a8 00

293 44d494 4510fc 00

294 44f498 458710 00

297 4094a4 4095a0 00

298 44d4a8 44d4bc 00

299 45c4ac 45c4b8 00

301 44f4b4 458840 00

302 44d4b8 450880 00

303 45c4bc 458908 00

304 4094c0 4094c8 00

305 44f4c4 44f530 00

306 45c4c8 458ce8 00

310 44d4d8 44d500 00

311 4034dc 44c8e4 00

312 4094e0 4094e8 00

313 4504e4 45050c 00

314 4054e8 404d0c 00

320 409500 409508 11

322 450508 4503e0 00

325 44d514 44d6ac 00

327 45051c 450530 00

328 409520 409528 00

336 409540 409548 00

337 403544 402ae8 00

342 403558 402ae8 00

344 453560 453600 00

345 450564 4506d4 00

348 40a570 40a590 01

350 404578 400460 00

352 409580 4095a0 00

355 40a58c 40a608 00

356 403590 403ccc 00

359 40359c 403ccc 00

360 44f5a0 44f5b0 00

365 40a5b4 44c81c 00

366 4095b8 4095c8 00

367 4035bc 403a38 00

369 4095c4 409664 00

371 44f5cc 44f388 00

374 4095d8 409664 00

375 4045dc 403c24 00

376 4095e0 4095e8 01

379 40a5ec 40a5fc 10

380 4045f0 404780 00

381 40a5f4 40a608 00

383 44f5fc 44f608 00

384 40a600 40a5d4 01

387 45360c 45429c 00

389 453614 401821 00

390 44f618 47082a 00

392 44f620 44f628 11

393 44f624 403821 00

395 44f62c 44f668 00

399 44f63c 44f64c 00

400 403640 403654 00

403 45364c 453660 00

404 403650 40634c 00

405 45c654 45c4c0 00

407 44f65c 44f630 01

410 453668 4536a4 00

414 44f678 454304 00

416 402680 403cf8 00

417 402684 402b1c 00

418 455688 4556d4 00

422 44e698 44e930 00

423 40969c 497021 00

424 44e6a0 408021 00

428 4536b0 44ec8c 00

429 4036b4 403bf4 00

430 44e6b8 44e854 00

431 4036bc 4036e4 00

432 44e6c0 44e80c 00

433 44d6c4 44d73c 11

439 44f6dc 44ee74 00

440 4096e0 497021 00

442 4506e8 45079c 00

444 44e6f0 44e930 00

445 4096f4 40978c 11

448 403700 402ae8 00

451 40470c 404714 01

452 44d710 44d730 00

454 404718 409b88 00

457 44d724 457ef0 00

460 409730 408c28 11

461 404734 44c91c 00

462 44d738 44d6c8 01

463 45873c 45874c 00

465 409744 4097d0 10

466 404748 44c91c 00

467 40974c 409768 01

468 44d750 44d83c 00

469 404754 44c850 00

471 45875c 45877c 11

473 409764 4096f8 00

478 458778 458788 00

479 45c77c 45ce00 00

480 458780 45c260 00

481 458784 401821 00

482 409788 408c28 00

483 45078c 451940 00

484 404790 44c86c 00

485 409794 40a544 00

486 404798 40a2f4 00

487 45879c 4587f0 10

489 4507a4 44ec8c 00

493 45c7b4 45c7e4 00

495 4097bc 4096f8 00

498 4047c8 44c90c 00

502 4587d8 4587e8 00

503 4047dc 4035fc 00

506 4507e8 4508d0 00

507 4587ec 458794 00

508 4047f0 403628 00

509 4587f4 458810 00

510 45c7f8 45c83c 00

512 409800 4098e4 00

517 44e814 44e83c 00

520 401821 44d978 00

521 4e7824 4582a8 00

522 47082a 44f61c 00

523 44c82c 40473c 11

525 458834 44f49c 00

528 455840 455848 00

530 404848 400e70 00

531 44c84c 40473c 00

532 44e850 44de0c 00

534 44c858 44c95c 00

535 45585c 4003b0 00

538 458868 458878 00

541 44e874 44e8fc 00

542 44c878 40474c 11

543 45087c 44d498 00

544 458880 4588f4 00

545 450884 450918 00

546 455888 4558b0 00

548 40e890 40e898 00

550 404898 44c81c 00

551 44d89c 44d8ac 00

552 44c8a0 400208 11

554 40e8a8 40e8b8 00

558 44c8b8 40a0d4 00

560 4048c0 404904 00

562 40e8c8 40e8d8 00

566 44d8d8 44d8e8 00

567 45c8dc 45c84c 01

569 4508e4 450914 00

571 40e8ec 40e880 00

572 4508f0 450e68 00

573 44d8f4 44d90c 00

574 44c8f8 44c95c 00

577 458904 45c4a0 00

578 44d908 44d4bc 00

579 40990c 40a2f4 00

580 458910 471821 00

581 44d914 401821 00

582 44c918 404748 00

583 44d91c 44d924 00

584 44c920 44c95c 00

587 44e92c 44dd64 00

588 458930 44f4b8 00

590 404938 404908 01

593 44e944 44e958 00

594 403948 44c8e4 00

596 406950 406a18 00

597 409954 409970 10

598 458958 451d00 00

602 404968 4035fc 00

603 44d96c 44ea80 00

605 44d974 401821 00

607 45897c 44fa94 00

608 44e980 402021 00

609 404984 403628 00

612 44d990 44d9e4 00

613 44c994 457bc0 00

614 44f998 453150 00

615 44c99c 44ca8c 00

616 4519a0 451a04 00

617 4099a4 40a544 00

620 4039b0 40457c 00

622 44f9b8 44fa78 00

624 44e9c0 44e9cc 00

628 44e9d0 44e9e4 00

631 4099dc 409a6c 00

634 44e9e8 44ea24 11

636 44d9f0 40a378 00

638 4039f8 403a00 00

642 44da08 453150 00

645 44da14 403821 00

646 451a18 4591b4 00

647 408a1c 40a2f4 00

648 44ea20 44e9bc 00

649 403a24 403a38 00

650 44ea28 44ea50 00

651 44fa2c 44fa78 00

653 403a34 403644 00

658 44fa48 44fa58 00

659 408a4c 408a8c 00

661 44ea54 44ea68 00

662 451a58 451a68 00

664 44ea60 44ea70 00

665 44da64 44dad0 00

669 406a74 406b18 00

671 44ea7c 44e980 00

673 403a84 403cf4 00

676 44fa90 458960 00

677 44ca94 44c924 00

679 44ea9c 44eab0 00

681 408aa4 408ab4 01

683 44eaac 44d970 00

685 44fab4 458cd0 00

686 408ab8 408ac8 00

688 408ac0 408ad4 00

689 44fac4 44facc 00

692 408ad0 408a8c 00

694 44fad8 44f3fc 00

695 44dadc 44db24 00

698 408ae8 44d1ec 00

701 408af4 44db34 00

704 408b00 408a18 00

706 451b08 451b44 00

709 44eb14 408021 00

710 44eb18 401821 00

712 408b20 44d1ec 00

713 402b24 402ca8 00

716 44db30 44f128 00

717 457b34 457b40 00

719 44cb3c 457dd0 00

720 44db40 44d960 00

721 44eb44 44ee50 00

722 457b48 457b7c 00

723 409b4c 409ba4 11

724 44db50 408b8c 00

727 402b5c 402e3c 10

730 408b68 44eab0 00

731 402b6c 402e3c 11

733 457b74 457b50 01

734 457b78 402821 00

736 408b80 408b54 01

737 409b84 4046ec 00

738 408b88 44db34 00

739 409b8c 409bfc 00

740 451b90 44d358 00

741 457b94 457b8c 01

742 44db98 44dbc0 00

744 44dba0 44dbb0 00

747 451bac 451bdc 00

748 406bb0 404d0c 00

749 402bb4 402b48 00

750 457bb8 44c8ac 00

751 44dbbc 44f258 00

752 408bc0 40a544 00

753 404bc4 4035fc 00

754 457bc8 457c80 01

757 402bd4 479021 00

758 44dbd8 402021 00

759 44ebdc 4507a8 00

760 404be0 4035fc 00

761 457be4 457bf8 00

762 451be8 451c14 00

764 403bf0 40341c 00

765 408bf4 408c00 00

766 44dbf8 44dc04 00

768 457c00 457c58 01

770 404c08 4035fc 00

771 44dc0c 402021 00

774 44dc18 44dc20 00

775 404c1c 403628 00

776 403c20 40457c 00

777 408c24 408e64 00

779 44ec2c 44ec48 01

780 44dc30 44e854 00

781 402c34 44c8e4 00

785 44ec44 44eaf8 00

787 44ec4c 44ec6c 00

788 44dc50 401821 00

790 404c58 4035fc 00

791 44ec5c 44d8f8 00

792 457c60 457c80 11

793 44ec64 44ef94 00

794 44dc68 44dc80 00

796 408c70 408e64 00

797 409c74 409cd4 00

798 457c78 457c68 01

800 402c80 44ca98 00

801 457c84 457c9c 10

802 44ec88 4533c0 00

803 44dc8c 44db9c 00

804 44ec90 44ed04 00

806 457c98 457c88 11

808 457ca0 44c998 00

809 403ca4 403cbc 00

812 403cb0 403c54 00

814 404cb8 403628 00

815 451cbc 451cec 00

818 403cc8 403314 00

819 44dccc 44dce0 00

823 403cdc 403ce4 00

824 404ce0 403628 00

825 458ce4 45c640 00

827 44dcec 408021 00

828 457cf0 457c80 00

829 458cf4 458cfc 00

831 404cfc 404d0c 00

832 409d00 409d14 00

833 44dd04 44dd18 00

834 44ed08 44ef74 00

835 402d0c 45f023 00

836 409d10 409e90 00

837 404d14 4089f0 00

838 402d18 403ccc 00

841 44dd24 44dd34 00

844 44dd30 44dd90 00

845 402d34 409021 00

846 409d38 4046ec 00

850 402d48 402cd0 00

851 44dd4c 44dd70 11

852 451d50 451d88 00

853 409d54 409e44 00

856 44dd60 44e854 00

858 44cd68 457bc0 00

859 44dd6c 44dd9c 00

860 44cd70 44cda8 00

864 44dd80 44e854 00

867 44dd8c 44dd9c 00

869 44dd94 44dcc8 00

871 402d9c 44c8e4 00

874 44eda8 44eaf8 00

875 404dac 44c81c 00

876 44cdb0 400310 00

877 44ddb4 44dc48 00

881 402dc4 402ddc 00

883 455dcc 455df4 00

884 404dd0 404ee4 00

885 44ddd4 44dde4 00

887 44eddc 44eaf8 00

890 44dde8 44de6c 00

891 402dec 402df4 00

892 44ddf0 44de04 00

895 44ddfc 44de60 00

896 44ee00 44ee28 01

897 45ce04 45ce40 00

898 44de08 44e3fc 00

899 455e0c 455e18 00

900 44de10 44de24 11

903 44de1c 44de60 00

904 402e20 44ca98 00

905 44ee24 44eaf8 00

906 44de28 44e994 00

908 44de30 408021 00

909 402e34 402cd0 00

912 44de40 44e854 00

913 457e44 45c030 00

914 44de48 402821 00

915 44ee4c 44eaf8 00

916 409e50 409e60 01

918 44de58 44dbc0 00

919 409e5c 409e6c 00

921 402e64 40355c 00

922 44de68 44dce8 00

924 44ee70 44f6d8 00

925 45ce74 45cf28 00

926 44ee78 44ef94 00

927 408e7c 408f30 00

928 409e80 409e90 00

929 44de84 44e1c0 00

930 450e88 450e9c 00

931 44de8c 44e3ec 00

935 400e9c 404744 00

939 400eac 400fd4 00

941 457eb4 45c030 00

942 450eb8 450ed4 10

943 457ebc 457ecc 00

944 44cec0 44cecc 00

946 44cec8 40967c 00

948 44ced0 40967c 00

949 45ced4 45d000 00

951 45cedc 45cf04 00

952 450ee0 450f00 00

960 409f00 403ccc 00

961 450f04 450f1c 00

965 450f14 450eb4 00

967 457f1c 457f68 00

969 45cf24 45d000 00

971 450f2c 4508f4 00

972 404f30 404eec 01

974 404f38 404fcc 00

975 45cf3c 45ce88 00

976 409f40 431823 00

981 403f54 40457c 00

985 408f64 4091b8 11

988 457f70 457f8c 00

989 409f74 4032fc 00

992 408f80 408f94 11

994 44ef88 44eaf8 11

996 408f90 408fec 00

1000 409fa0 409fa8 00

1001 457fa4 458020 00

1003 44efac 44eaa0 00

1004 409fb0 409fc0 00

1005 403fb4 403ccc 00

1006 403fb8 401821 00

1007 44dfbc 44e854 00

1009 408fc4 40a544 00

1010 44dfc8 44e3e0 00

1013 44efd4 44f2e8 00

1015 409fdc 409ff0 00

1016 44dfe0 44e994 00

1017 457fe4 458008 00

1020 403ff0 403ff8 00

1021 44dff4 404021 00

1023 400ffc 44eab0 00