Московский государственный технический университет им. Н.Э.Баумана

|  |  |  |
| --- | --- | --- |
|  |  | Проверил:  Спиридонов С.Б.  "\_\_"\_\_\_\_\_\_\_\_\_\_\_\_\_201**7** г. |

**Отчет по лабораторной работе № 5 по курсу**

**“Вычислительные средства АСОИУ”**

«**Микропроцессоры в управлении»**

16

(количество листов)

|  |  |
| --- | --- |
| ИСПОЛНИТЕЛЬ: |  |
| студент группы **ИУ5-53** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | (подпись) |
| **Белков А.Д.** | "\_\_"\_\_\_\_\_\_\_\_\_\_\_\_\_201**7** г. |

Москва, МГТУ - 2017

Листинг программы

Часть 1.1

10h:

B7

0->R0

11h:

C7

R0+1->R0

12h:

A8

R0->AC

13h:

A4

OUTn

14h:

08

T-1->T

15h:

4C

ALA

16h:

13

PC->MEM[PC]

17h:

18

18h:

B8

0->R1

19h:

9E

Mn->AC

1Ah:

01

AC->T

1Bh:

A4

OUTn

1Ch:

08

T-1->T

1Dh:

93

SRA0

1Eh:

1B

1Fh:

20

ALR0

20h:

A4

OUTn

21h:

08

T-1->T

FFh:

01

AC->T

Часть 1.2

00h:

00

01h:

80

02h:

00

03h:

00

04h:

00

05h:

00

06h:

00

07h:

00

08h:

00

09h:

00

0Ah:

00

0Bh:

00

0Ch:

00

0Dh:

00

0Eh:

00

0Fh:

00

10h:

B7

0->R0

11h:

C7

R0+1->R0

12h:

A8

R0->AC

13h:

A4

OUTn

14h:

08

T-1->T

15h:

4C

ALA

16h:

13

PC->MEM[PC]

17h:

18

18h:

B8

0->R1

19h:

9E

Mn->AC

1Ah:

01

AC->T

1Bh:

A4

OUTn

1Ch:

08

T-1->T

1Dh:

16

SRA1

1Eh:

1B

1Fh:

20

ALR0

20h:

A4

OUTn

21h:

08

T-1->T

F7h:

01

AC->T

F8h:

00

F9h:

00

FAh:

00

FBh:

00

FCh:

00

FDh:

00

FEh:

00

FFh:

01

AC->T

Часть 2

10h:

4E

INn

11h:

07

T+1->T

12h:

5A

AC->R0

13h:

9E

Mn->AC

14h:

01

AC->T

15h:

5B

AC->R1

16h:

A8

R0->AC

17h:

30

ALR1

18h:

1B

19h:

20

ALR0

1Ah:

00

1Bh:

A8

R0->AC

1Ch:

A4

OUTn

1Dh:

08

T-1->T

1Eh:

A0

END

1Fh:

00

20h:

A8

R0->AC

21h:

72

AC->~AC

22h:

CF

AC+1->AC

23h:

78

R1+AC->R1,AC

24h:

0A

GOTO

25h:

1C

Часть 3

00h:

06

PC->AC

01h:

3E

02h:

6D

R7-1->R7

03h:

40

04h:

6D

R7-1->R7

05h:

06

PC->AC

06h:

00

07h:

00

08h:

00

09h:

00

0Ah:

9E

Mn->AC

0Bh:

00

0Ch:

5A

AC->R0

0Dh:

9E

Mn->AC

0Eh:

01

AC->T

0Fh:

5B

AC->R1

10h:

9E

Mn->AC

11h:

02

T->AC

12h:

5C

AC->R2

13h:

9E

Mn->AC

14h:

03

PC->T

15h:

5D

AC->R3

16h:

9E

Mn->AC

17h:

04

T->PC

18h:

5E

AC->R4

19h:

9E

Mn->AC

1Ah:

05

AC->PC

1Bh:

5F

AC->R5

1Ch:

A0

END

1Dh:

00

1Eh:

00

1Fh:

00

20h:

BF

0->AC

21h:

A4

OUTn

22h:

01

AC->T

23h:

A4

OUTn

24h:

02

T->AC

25h:

A4

OUTn

26h:

03

PC->T

27h:

A4

OUTn

28h:

04

T->PC

29h:

A8

R0->AC

2Ah:

A4

OUTn

2Bh:

01

AC->T

2Ch:

A4

OUTn

2Dh:

02

T->AC

2Eh:

A9

R1->AC

2Fh:

A4

OUTn

30h:

01

AC->T

31h:

02

T->AC

32h:

A8

R0->AC

33h:

A4

OUTn

34h:

03

PC->T

35h:

A9

R1->AC

36h:

A4

OUTn

37h:

02

T->AC

38h:

AA

R2->AC

39h:

A4

OUTn

3Ah:

01

AC->T

3Bh:

A8

R0->AC

3Ch:

A4

OUTn

3Dh:

04

T->PC

3Eh:

A9

R1->AC

3Fh:

A4

OUTn

40h:

03

PC->T

41h:

AA

R2->AC

42h:

A4

OUTn

43h:

02

T->AC

44h:

AB

R3->AC

45h:

A4

OUTn

46h:

01

AC->T

47h:

A9

R1->AC

48h:

A4

OUTn

49h:

04

T->PC

4Ah:

AA

R2->AC

4Bh:

A4

OUTn

4Ch:

03

PC->T

4Dh:

AB

R3->AC

4Eh:

A4

OUTn

4Fh:

02

T->AC

50h:

AC

R4->AC

51h:

A4

OUTn

52h:

01

AC->T

53h:

AA

R2->AC

54h:

A4

OUTn

55h:

04

T->PC

56h:

AB

R3->AC

57h:

A4

OUTn

58h:

03

PC->T

59h:

AC

R4->AC

5Ah:

A4

OUTn

5Bh:

02

T->AC

5Ch:

AD

R5->AC

5Dh:

A4

OUTn

5Eh:

01

AC->T

5Fh:

AB

R3->AC

60h:

A4

OUTn

61h:

04

T->PC

62h:

AC

R4->AC

63h:

A4

OUTn

64h:

03

PC->T

65h:

AD

R5->AC

66h:

A4

OUTn

67h:

02

T->AC

68h:

A8

R0->AC

69h:

A4

OUTn

6Ah:

01

AC->T

6Bh:

AC

R4->AC

6Ch:

A4

OUTn

6Dh:

04

T->PC

6Eh:

AD

R5->AC

6Fh:

A4

OUTn

70h:

03

PC->T

71h:

A8

R0->AC

72h:

A4

OUTn

73h:

02

T->AC

74h:

A9

R1->AC

75h:

A4

OUTn

76h:

01

AC->T

77h:

AD

R5->AC

78h:

A4

OUTn

79h:

04

T->PC

7Ah:

A8

R0->AC

7Bh:

A4

OUTn

7Ch:

03

PC->T

7Dh:

A9

R1->AC

7Eh:

A4

OUTn

7Fh:

02

T->AC

80h:

AA

R2->AC

81h:

A4

OUTn

82h:

01

AC->T

83h:

A8

R0->AC

84h:

A4

OUTn

85h:

04

T->PC

86h:

A9

R1->AC

87h:

A4

OUTn

88h:

03

PC->T

89h:

AA

R2->AC

8Ah:

A4

OUTn

8Bh:

02

T->AC

8Ch:

AB

R3->AC

8Dh:

A4

OUTn

8Eh:

01

AC->T

8Fh:

0A

GOTO

90h:

47

F4h:

00

F5h:

00

F6h:

00

F7h:

06

PC->AC

F8h:

06

PC->AC

F9h:

6D

R7-1->R7

FAh:

40

FBh:

6D

R7-1->R7

FCh:

06

PC->AC

FDh:

00

FEh:

FF

FFh:

06

PC->AC