entry @LfeatureHouse/FeatureAnnotation;([name="featureSwitch"] @LfeatureHouse/FeatureSwitchID;([id=23, , thenFeature="sign", , elseFeature="featureSwitch"] LINENUMBER 117 L0 LDC "ecb46ce0-9bad-4ecf-ad7b-cdf44111c891" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V GETSTATIC family/PL_Interface_impl.SIGN : Z IFEQ L1 LINENUMBER 118 L2 ALOAD 0 ALOAD 1 INVOKESTATIC family/EmailSystem/Client.sign (Lfamily/EmailSystem/Client;Lfamily/EmailSystem/Email;)V LINENUMBER 121 L1 FRAME SAME LDC "3dded465-6e8c-48a6-943a-c9bde2c6b6ae" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V GETSTATIC family/PL_Interface_impl.ADDRESSBOOK : Z IFEQ L3 LINENUMBER 122 L4 LDC "b0504393-e7af-467c-8796-236ef8c2ce59" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V ALOAD 0 ALOAD 1 LINENUMBER 123 L5 INVOKEVIRTUAL family/EmailSystem/Email.getEmailTo ()Ljava/lang/String; INVOKEVIRTUAL family/EmailSystem/Client.getAddressBookReceiversForAlias (Ljava/lang/String;)Ljava/util/List; ASTORE 2 LINENUMBER 124 L6 ALOAD 2 INVOKEINTERFACE java/util/List.isEmpty ()Z LINENUMBER 127 L7 ICONST_1 ISTORE 3 FRAME APPEND [java/util/List I] LDC "fcd1f65d-d6a5-4be2-b8cf-8ebfe4e431e4" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V ILOAD 3 ALOAD 2 INVOKEINTERFACE java/util/List.size ()I IF_ICMPGE L9 L10 LINENUMBER 128 L10 ALOAD 2 ILOAD 3 ALOAD 1 INVOKESTATIC family/EmailSystem/Client.incoming (Lfamily/EmailSystem/Client;Lfamily/EmailSystem/Email;)V INVOKEINTERFACE java/util/List.get (I)Ljava/lang/Object; CHECKCAST java/lang/String LINENUMBER 127 L14 ASTORE 4 L11 IINC 3 1 GOTO L8 LINENUMBER 129 L11 ALOAD 1 LINENUMBER 133 L9 ALOAD 4 INVOKEVIRTUAL family/EmailSystem/Email.setEmailTo (Ljava/lang/String;)V FRAME SAME LINENUMBER 130 L12 ALOAD 0 ALOAD 1 INVOKESTATIC family/EmailSystem/Client.outgoing (Lfamily/EmailSystem/Client;Lfamily/EmailSystem/Email;)V LINENUMBER 131 L13 ALOAD 4 INVOKESTATIC family/EmailSystem/Client.getClientByAdress (Ljava/lang/String;)Lfamily/EmailSystem/Client; ALOAD 1 ALOAD 2 ICONST_0 INVOKEINTERFACE java/util/List.get (I)Ljava/lang/Object; CHECKCAST java/lang/String INVOKEVIRTUAL family/EmailSystem/Email.setEmailTo (Ljava/lang/String;)V LINENUMBER 137 L3 FRAME CHOP 2 LDC "fcd1f65d-d6a5-4be2-b8cf-8ebfe4e431e4" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V LDC "b0504393-e7af-467c-8796-236ef8c2ce59" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V LDC "3dded465-6e8c-48a6-943a-c9bde2c6b6ae" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V LDC "ecb46ce0-9bad-4ecf-ad7b-cdf44111c891" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.exit (Ljava/lang/String;)V LDC "e4aece88-b30b-40b3-8e39-978ae1159a8c" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V GETSTATIC family/PL_Interface_impl.ENCRYPT : Z IFEQ L15 LINENUMBER 139 L16 LDC "b28f2bb5-27a3-45c5-a490-780102f857ee" INVOKESTATIC edu/cmu/cs/mvelezce/tool/analysis/region/Regions.enter (Ljava/lang/String;)V ALOAD 1 INVOKEVIRTUAL family/EmailSystem/Email.getEmailTo ()Ljava/lang/String; INVOKESTATIC family/EmailSystem/Client.getClientByAdress (Ljava/lang/String;)Lfamily/EmailSystem/Client; ASTORE 2 LINENUMBER 140 L17 ALOAD 0 ALOAD 2 INVOKEVIRTUAL family/EmailSystem/Client.getKeyringPublicKeyByClient (Lfamily/EmailSystem/Client;)I ISTORE 3 L18 LINENUMBER 141 L18 ILOAD 3 IFEQ L15 L19 LINENUMBER 142 L19 ALOAD 1 ILOAD 3 INVOKEVIRTUAL family/EmailSystem/Email.setEmailEncryptionKey (I)V LINENUMBER 143 L20 ALOAD 1 ICONST_1 INVOKEVIRTUAL family/EmailSystem/Email.setEmailIsEncrypted (Z)V LINENUMBER 144 L21 NEW java/lang/StringBuilder INVOKESPECIAL java/lang/StringBuilder.<init> ()V LDC "Encrypted Mail " INVOKEVIRTUAL java/lang/StringBuilder.append (Ljava/lang/String;)Ljava/lang/StringBuilder; ALOAD 1 INVOKEVIRTUAL family/EmailSystem/Email.getId ()I
INVOKEVIRTUAL java/lang/StringBuilder.append (I)Ljava/lang/StringBuilder;
INVOKEVIRTUAL java/lang/StringBuilder.toString ()Ljava/lang/String;
INVOKESTATIC family/EmailSystem/Util.prompt (Ljava/lang/String;)V L15 LINENUMBER 152 L15 FRAME SAME ALOAD 1 ALOAD 0 INVOKEVIRTUAL family/EmailSystem/Email.setEmailFrom (Lfamily/EmailSystem/Client;)V LINENUMBER 153 L22 ALOAD 0 ALOAD 1 INVOKESTATIC family/EmailSystem/Client.mail (Lfamily/EmailSystem/Client;Lfamily/EmailSystem/Email;)V LINENUMBER 155 L23

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